PARIS, THURSDAY, JUNE 30, 1988

French Pilots Fear a Rush to Judgment in Crash of Airbus

that details that have so far emerged from

the enquiry are "very damaging, very accusatory" toward the pilot, Michel

Hasseline, Air France's chief instructor

"You can understand that he is suffering terribly at this moment," Mr. Duclos

said. "He is one of the most formidable

pilots in Air France, but in five seconds

he has fallen from glory to the depths."

Mr. Hasseline and his co-pilot, Pierre

Mazières, told investigators at Mulhouse

Wednesday that their screen displays in-

dicated the plane was flying at an antho-

rized 30 meters (100 feet) shortly before

the crash and that the engines were slow

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old Legality *nvestigating or U.S. Aides

By Al Kamen INGTON - The Suourt, in a defeat for the administration and the Separtment, upheld 7 to 1 lay the constitutionality of establishing independent at investigate wrongdoing evel government officials the most important deciany years regarding presi-

lecision dispels doubts e convictions of two forand Lyn C. Nofziger, and ay a possible block to the ion of two former White Market State Colonel Oliver L. Rear Admiral John M. er, and two nthers indict -- : Iran-contra affair.

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ecision also allows an inn to continue into the ac-I Attorney General Edwin 1 who has been accused of improprieties and con-

Justice William H. Rehnosen by Mr. Reagan to be tice, rejected administraments that the law violatinconstitutional docume of an of powers among the of government.

Rehnquist, in a 38-page, -point rebuttal to a lower ling in January declaring inconstitutional, said "we today that it does not he Constitution) for Convest the appointment of lent counsels in" a special anel.

o said that "the act does ate the separation of powiple by impermissibly in-with the functions of the e Grilla S.AND: "branch."

Antonia Scalia, in an undimpassioned dissent read bench, accused the majororing constitutional prinying the decision "departs text of the constitution _ no reason." Justice Scalia the was reading his dissent

: COURT, Page 6

Kiosk nn Is Out

Contention

SHINGTON (AP) r Sam Nunn of Georgia nor Michael S. Dukakis, sbable Democratic pres-I nomince, that he was Place Your Class fied Ad Quid vice presidential candi-INTERNATIONAL HERALD Ted to remain in the Sen-

save backed Mr. Nunn party's vice presidential late because of his adge of defense policy . appeal his nomination have in the South. arlier article, Page 3)



d Rocard, France's minister, pledges atism in a National bly speech. Page 2.

rai News P. Shiltz may return

viideast next month for r peace mission. Page 2. 1085/Finance

. Ollar surged to fresh worth highs. Page II. pill phase out some maning and expects up to forkers to rorkers to retire or vol-Page I1.

.^ lai Report logy Quarterly exame computer industry's var, superpower space s, and Japan's strategy reconductors. Pages 7-9.

Flose The Dollar 99 Pound 1.7145 Yen 132.65 FF 6.1405



Mikhail S. Gorbachev, right, in an exchange with Alexander N. Yakovlev, center, and Yegor K. Ligachev, at the meeting.

error appeared to have contributed to the

other 133 passengers and crew escaped as

The new computer-controlled airliner,

one of only six so far delivered, plowed into a forest after making a low-level pass

during an air show near Mulhouse in

the pilot has to be sacrificed for reasons

of state," the union official, Alain Du-

clos, said in an interview. "You cannot let

a single man stand in the way of industri-

Mr. Duclos acknowledged, however,

Whatever the cause of the accident.

fire spread through the wreck.

eastern France.

U.S. Tobacco Company Fights Back

You're talking swing vote.

Alberia, Argentina, Bulgaria, Canada, Czechoslovakia, East Germeny, Fialand, French Polynesia, Gambia, Hungary, Iceland, Italy

Jordan: Mozambique,

Singapore, Sudan.

Source: World Health Organization, Seneva

Norway, Poland, Portugal, Flomania, Senegal,

By Randall Rothenberg will expand it in the next six on to say that "America's 55.8 mil-

in which three persons died. The

CONTRACTOR OF THE PARTY OF THE

nal Herald Tribune

PARIS — Representatives of French

pilots expressed concern Wednesday that

the government and the manufacturer

are coming too quickly to judgment about the crash Sunday of an A-320 air-

The representatives suggested there is

eagerness to pin the blame on the pilot

because of concern about the commercial

future of the aircraft on which billions of

dollars of investment and tens of thou-

But even the president of the country's

main pilots' union conceded that human

sands of jobs depend.

New York Times Service ...

NEW YORK - Battered by

growing bans on public smoking

and a recent court decision finding

a tobacco company liable in the

cigarette maker is planning to

spend up to \$5 million in an adver-

tising campaign that will empha-

Philip Morris U.S.A. began the

size the economic influence of

Mood in Kremlin: Cautious Reform

By Gary Lee

MOSCOW - Mikhail S. Gorbachev was groping for the middle ground as he opened the 19th Comnunist Party conference this week, giving a delicately balanced speech apparently tailored to overcome ticism about his reform plans.

He dropped the more radical proposals that had been made pubhere in recent weeks and took up instead some positions held by con-

For both the Kremlin leader and they will have tn go for a vote his audience of nearly 5,000 largely doctrinaire, provincial party dele-

conference in which Mr. Gorbawho worked his way up from prochev's entire reform program is to
come up for praise or criticism in
retary faster than any other person

With his policy of perestroika economic, political and social re-tive counterpoint. construction -- certain to gain general approval, the moderate stand taken by Mr. Gorbachev may not influence the ontcome of the con-

But if the stand turns out to have been persuasive it could determine

to respond to a demand for more power.

Louis Mermaz, said the plane was flying

too low, but stopped short of blaming the

pilot. According to information leaked from the Civil Aviation Directorate's ex-

amination of the aircraft's black box and

cockpit voice recorder, the aircraft was

flying at a height of only 10 meters at a

speed of 216 kilometers an hour and with

the engines operating at only 28 percent

of their capacity, Mr. Duclos said that arguments pin-

ning the blame for the crash on the air-

craft's systems "are not solid." nor did be

think that the absence of a third flight-

On Monday, the minister of transport,

wbether some of the Soviet leader's more controversial proposals such as an apparent attempt to take over the presidency from Andrei A. Gromyko, the nld-guard Politburo member, will gain backing from the party and the public. And it also could help win over some of the

If the proposals made this week gain approval by the conference,

NEWS ANALYSIS

before the Supreme Soviet, the gates, the speech established a Communist Party Congress, which mood of ambiguous compromise.

It was a cautious beginning for a By reputation a political wizard

By reputation a political wizard dozens of speeches and then, final-in Soviet history, Mr. Gorbachev, lv. to be put to a vote. 57, balanced every new reform proposal in his speech with a conserva-

On the one hand, he criticized Soviet activists seeking to start a new political party, indirectly rebuked Armenian demonstrators by osing border changes as a solu-

See BALANCE, Page 6

crew member contributed to the acci-

dent. Many pilots in France and else-

where are unhappy with the elimination

of the flight engineer. The arrays of in-

struments that engineers read on conven-

tional jets have been replaced by six small

Nevertheless, Mr. Duclos said, it

would be unfair to put all the blame on

the pilnt. "A whole chain of command is involved bere," he said. "Those who or-dered the pilnt to fly at the air show with

a load of paying passengers must also bear responsibility. Showing off at air

See AIRBUS, Page 6

television screens on the A-320.

Assail Glasnost Gorbachev Policy

Delegates

Under Attack at Party Conference

Washington Post Service MOSCOW - Mikhail S. Gorba-

chev's policy of glasnost, or open-ness, came under sharp attack at the Soviet Communist party conference on Wednesday, suggesting that curbs could soon be imposed on editors and publications spearheading the movement for freer information in the Soviet Union.

During the second day of pro ceeding at the party meeting, dele-gates objected to calls for acceleratng the pace of Mr. Gorbachev's economic reforms and argued over his proposal to limit the terms of office of senior Soviet official, according to summaries of speeches.

The session, held in the Kremlin's Hall of Mirrors, was closed to the press but excerpts of speeches were broadcast. Besides the Soviet leader's poli-

cies of loosening state control over the press and the economy, widely recognized as two of his major domestic policy accomplishments in his three and a half years in office, some of his key supporters also came under fire.

They included the former Mos-

cow party leader, Boris Yeltsin and the editor of Ogonyok, Vitaly Kor-

The 19th party ennference opened here Tuesday with a major speech by Mr. Gorbachev. The meeting was called to allow the 4,991 delegates to review Mr. Gorbachev's reforms and consider ways to strengthen them.
Originally scheduled to end on

Friday, it may now be extended because of a flood or requests to speak, a spokesman said. In the end, it is expected to issue a resolution on the reform program.

The mostly conservative line-up of delegates who spoke tiptoed around most of the new reforms proposed by Mr. Gorbachev, according to a briefing on the conference by a senior Kremlin spokes-

The speakers also refrained from direct criticism of the Kremlin leader but got into a dispute over how long be should stay in office. During his remarks one delegate from the conservative Volcograd region turned around and looked at Mr. Gorbachev, saying: "We all need to restructure ourselves, both at the local level and right here,

In his speech on Tuesday, Mr. Gorbachev introduced sweeping new proposals for overhauling the Soviet parliamentary system, for electing a Soviet president, for upgrading his office and for shifting some powers away from the central party to soviets, or local governing

According to Soviet officials who participated in the closed door session, discussion was "heated" See SOVIET, Page 6

China Seeks

More Private

By Daniel Southerland

Communist Party newspaper

called Wednesday for a major ex-

pansion in private enterprises and

published regulations designed to legitimize such enterprises.

The People's Daily newspaper

representing the views of the party leadership, said in a commentary

that because of the influence of old

concepts, "ultraleftist" ideas, and a

Washington Pust Service
BELITNG — China's leading

Enterprise



A Drastic Ban in Canada

OTTAWA - Canada's Parliament, instituting some of the most stringent ano-tobacco laws in the world, has banned tobacco adver-tising and forbidden smoking in federally regulated workplaces and In final parliamentary action, the Senate on Tuesday passed two

Where Tobacco Advertising Is Banned

bills containing the bans and Governor-General Jeanne Sauvé One bill mandates smoke-free workplaces in companies regulated by the federal government. That includes banks, telecommunica-

tions firms and Crown corporations. The measure also guarantees smoke-free traveling on planes, ships, trains and buses that offer passenger service and are federally regulated. The second bill bans tobacco ads on television, radio, newspapers,

hillhoards and magazines. Imported broadcasts and publications may still carry tobacco ads.

months to 32 national magazines. Sign smokers are a powerful eco-All the ads conclude with the cam-paign's theme: "The American are one of the most economically Smoker — an economic force." powerful groups in the country." Guy L. Smith 4th, Philip Mor-By emphasizing the influence of ris's vice president for corporate smokers, the campaign also lays the death of a smoker, the largest U.S. affairs, said Tuesday that 85 per- groundwork for Philip Morris to cent of all smokers are registered sell advertising space in a magazine

voters and warned: "Let the politithat it distributes without charge to cians take note. You're not just smokers. That publication, Philip talking special-interest grnnp. Morris Magazine, has become the nation's fifth-largest publication in terms of circulation, with more The first ad in the series carries a campaign Tresday with advertise- headline "\$1 trillion is too much than 11 million copies distributed. ments in 19 daily newspapers and financial power to ignore." It goes In April, Congress banned ciga-

rette smoking on most domestic airline flights, and bills pending in Congress seek to ban vending machine sales of cigarettes, force manufacturers to place an addiction warning on cigarette packages, re-move some of the liability protection of manufacturers and prohibit all advertising and promotion of tobacco products.

In addition, New York City and other municipalities have severely limited smoking in public places, while Northwest Airlines eliminar-

ed smoking on all flights. Mr. Smith called the ads "a reaction to the public policy environment in in cities and states and in

Washington." Representative Richard J. Durbin, Democrat of Illinois, who successfully sponsored the amendment to ban most smoking on airline flights, said the new adver-tising "marks a significant change in the tobacco lobby's tactics,"

"They must feel their image is slipping rather dramatically," said Mr. Durbin. "Until now, they have been content to try to persuade members of legislatures and city councils to their point of view with-out much fanfare. At this point, they obviously believe they need to take their case to the public Representative Mike Synar,

Democrat of Oklahoma, sponsor of See SMOKE, Page 6

NOT THIS YEAR — Mats Wilander, winner of the Australian and French Opens, saw his Grand Slam bid evaporate in a straight-sets quarterfinal loss to Miloslav Mecir at Wimbledon. Page 19.

For Japanese Students, Club Spirit Outclasses Good Grades

By Susan Chira

New York Times Service TOKYO — When Hiroshi Yamamoto goes for his first jub interview and is asked what he did in four years of college, he plans to look his potential employer in the eye and tell him the truth: He played table tennis.

Mr. Yamamoto, a senior at the prestigious Keio University in Tokyo, works hard at table tennis. He practices with the other members of his table tennis club five hours a day, six days a week. For Mr. Yamamoto, as for most other college students in Japan, a club, not academic study, is the center of his university life.

To a degree unthinkable in many other countries, Japanese students forsake their studies for their clubs. Students will choose classes at which attendance is not taken so they can devote more time to club activities. Indeed, clubs are so important that prospective employers scrutimize not grades but club memberships.

On the surface, clubs are about having fun, an escape from the years of grinding

study required to enter a Japanese university. But clubs are where students are schooled in the all-important ways of Japanese society: how to work together in harmony, how to devote themselves to group goals, how to make and preserve relationships, how to defer to their seniors and guide their juniors.

"In Japanese colleges, many students spend four years without doing much of anything," a spokesman for Sumitomo Bank said in describing his company's recruiting process. "So it is a plus for a student if he can say he did something with devotion.

"If a student was a captain of the club, then he is likely to be trained in harmonizing the team to produce good teamwork and to work under pressure. We don't require them to submit grades. Even if grades are bad, it does not necessarily mean that we don't want a student. We stress personal characteristics."

Mami Hasegawa, a jumor at Keio, learns these lessons on the tennis court. During the hot summer months, when

ber club goes on a tennis retreat, she wakes at dawn to begin chasing teams balls. "We have to yell, 'Fight! Fight!" she said, describing her regimen.
"If our senior hits a good shot, we have

to call out, 'Nice ball!' During the summer it is very hard physically. But I think I have learned from this hard training. I feel like I'm pushing my limits of physical and mental strength."

Students receive points for club attendance. "We race to attend as many sessions as possible, so people skip class," Ms. Hasegawa said. Many students seek in chibs a commu-

nity and sense of purpose that Japanese university education does not offer them. said Toshiaki Izeki, a professor of sociology at Keio. "The popularity of clubs is not something we completely approve of," he said, "but it shows the underlying problems of the Japanese college sys-

Top-level Japanese universities, Mr. Izeki and his students say, are buge and impersonal and offer a narrow scholarly curriculum that does not seem useful in the world ontside the university.

At Keio, as at many Japanese colleges, only a limited number of students can gain entrance to small seminars. Without any direct contact with a professor, said Daisuke Nakagawa, a Keio senior and an avid member of the school badminton club, students have little incentive to show up on campus, and be knows many who come to Keio only once a month.

"In clubs, you can find close friends, you know you can have fun," Mr. Nakagawa said, "and when you get older and become a leader, it's fun to be able to mold an organization. It's kind of like training to be an adult."

For years, students have sought training in sports clubs that are noted both for their demanding physical workouts and for the formal relations between the older members, known as serpai, and the younger ones, or kohai.

Junior members must use honorific language when addressing their seniors,

fetching them refreshments or doing their laundry. But in return the seniors try to watch out for their juniurs, coaching them and protecting them, in a relation ship that often lasts a lifetime and will

and run errands for them that include

have its counterpart in company life. For Kazuhiko Yamamoto, a junior in Keio's mountain climbing club, the lesson of senpai-kohai relationships is among the most enduring be has learned.

"When my senpai said to run and buy refreshments after a hard climb, I sometimes felt a grudge toward them, thinking, 'I am tired, too,' "he said. "But clubs teach you how to keep good relations with other people, and that is good for you because you can't accomplish much in your life if you dish te people."

But "hard training" clubs have fallen out of favor with a new generation of students who have come of age in an affluent and relatively self-confident Japan. "Hard training is a drag," Mr. Nakagawa said.

lack of relevant laws, the healthy development of a private economy had been hindered until now. The new provisional regulations, published Wednesday in the Peo-ple's Daily, set no limits on the number of persons who could he employed by a private enterprise.

Foreign abservers said the regu-lations were likely to encourage the growth of private enterprises and marked a major departure for the Chinese from a system that is still largely based on centralized, Sovi-

et-style planning.
A Western diplomat said Wednesday that the new "tempo-rary regulations" for private enterprises published this week marked an "ideological breakthrough" for China toward accepting a private economy.

The Soviet Union, he said, has not even begun to approach such an acceptance of the private sector. In China, a private enterprise is defined as one that employs eight or more persons. According to official figures, such enterprises currently employ 3.6 million workers. which is only a small percentage of the total work furce. They account for only 2 percent of the country's

But more than 20 million Chi-See CHINA, Page 2

industrial output.

In Search for Superconductor Uses, U.S. Said to Trail Japan

By John Burgess

Washington Past Service
WASHINGTON — The United States may already have fallen behind Japan in the race to commercialize superconductors, materials that may revolutionize the world of electronics and transportation, a federal government study has concluded.

U.S. companies are spending \$260 million annually in the field, compared with Japan's \$160 million, according to the study by the Office of Technology Assessment. But the United States may fall victim to Japan's skills in finding money-making applications for oew technology and to its willingness to work hard on new products even if no profits are in sight.

"The winners in this race to commercialize are going to be those who commit themselves to a sustained effort" of 10 years or more, the director of the office, John Gibbons, told a hearing held Tuesday by the Senate Committee on Governmental Affairs.

By Fred Hiatt

Washington Peet Service SEOUL — South Korea an-nounced Wednesday that it would release Kim Keun Tae, South Ko-

rea's best-known political prisoner,

whose three-year confinement has

been at the center of protests here

The government said it would release Mr. Kim and 45 other polit-

ical prisoners on Thursday. Oppo-

sition leaders claimed there will

Human rights and opposition

leaders said they were pleased with his release but disappointed that more prisoners would not be freed.

ernment take a more drastic step,"

the opposition leader, Kim Young

Sam, said Wednesday. "They

should release everyone who fought

for democracy, whether they violat-

But President Rob Tae Woo said

By James M. Markham

New Yark Times Service
PARIS — Prime Minister Mi-chel Rocard declared on Wednes-

day that the priorities of his new

Socialist minority government were

minister seven weeks ago, Mr. Ro-

privileged.
"Undoing what others have done

and doing what others will later

undo - that is exactly the kind of

politics that the voters do not want

any more," declared Mr. Rocard.

apparently alluding to the Socialists' nationalizations of industry

that were reversed by a conserva-tive coalition when it won legisla-

In parliamentary elections June 12, the Socialists fell short of an

overall majority in the National

Assembly - with 276 seats in the

577-member chamber — but they

will be able to govern as the single largest group. The constitution re-

nuires an absolute majority of the

National Assembly to topple a gov-

ernment, which would demand an improbable alliance of Commu-

On Tuesday, Mr. Rocard con-

ducted a minor reshuffle of the cab-

inet he named last month, adding a

handful of independents and cen-

trist figures but making no major

effort to broaden the Socialists'

base. The major portfolios did not

NEW YORK - The U.S. gov-

ernment does not have the right to

enforce its order that the Palestine

Liberation Organization observer

mission at the United Nations close

down, a federal district judge ruled

Wednesday. U.S. obligations under the 1947

Headquarters Agreement to pro-

vide a site for the world body took

precedence over a later Anti-Ter-

rorism Act, Judge Edmund Pal-

PLO Mission at UN

Wins Right to Stay

tive elections in 1986.

nists and conservatives.

change hands.

Assembly since being named prime uties.

ed certain laws or oot."

"We would like to see the gov-

still be 500 or more in prison.

and abroad.

CAMBODIAN TALKS — Prince Norodom Sihanouk, left, at his headquarters just inside

Cambodia, accepts credentials from Dzon Siroka, right, a Yugoslav ambassador, on Monday. At center is Khieu Samphan, a Khmer Rouge official. Prime Minister Hun Sen, whose government

meets the prince's coalition next month, said Wednesday that he was pessimistic about the talks.

government has said there are few-

Oppositioo leaders said that

many nonviolent dissidents re-

mained in prisoo simply because they hold anti-government views.

They also said the government was

reluctant to release prisoners who

The issue of amnesty for political

prisoners has been a major source

of frictioo between Mr. Roh's gov-

criment and his opposition, and between factions of the govern-ment itself. Kim Keun Tae, 41,

winner of the Robert F. Kennedy

Human Rights Award last fall, be-

Sources said that the law en-

came a symbol of that friction.

Rocard Sets Pragmatic Priorities

And Urges 'Everyday Democracy'

not "those of one half of France May 8. But as the head of the first camp to back a plan reached Sun-

against the other but those of all minority government in three de-day that aims at ending communal the French."

minority government in three de-day that aims at ending communal cades, Mr. Rocard will occasionally violence in the Pacific territory of

One possible National Assembly

blurred by the novel situation

"We will oot ask anyone to join

us out of personal interest, nor to betray his convictions," he said.

remain Socialist, and we under-

stand that others - centrists, Com-

thrown up by the deadlocked Na-tional Assembly.

In his first speech to the National need support from opposition dep- New Caledonia

card outlined a pragmatic, free-en- combination was indicated last

terprise program that eschewed the week when 25 Communist deputies kind of bold initiatives taken by the joined the Socialists in choosing

kind of bold initiatives taken by the Socialist Party when it first came to power in 1981. He pleaded for an "everyday democracy" that would improve the quality of ordinary life card on Wednesday stressed that party loyalties would not become party loyalties would not become

may bear witness to torture.

that "no citizen is suffering from Tuesday that "we know we're hurt-

forcement bureaucracy resisted his er and labor organizer, was arrested

release to the last moment, but that in September 1985 for organizing

Mr. Roh personally decided he meetings feared to cause unrest and should be freed. A senior Roh adfor making statements that resem-

viser, Hyun Hong Choo, had said bled North Korean propaganda.

rightist predecessor, Jacques will appeal to centrists and others Chirac, resigned when he was de-

feated by President François Mit- bly for support. Already, he has

terrand in the presidential election reached out to the conservative

Conservatives fear that further

deases of leftists will only encour-

age student demonstrations, whose theme has shifted from democrati-

zation to more radical anti-Americanism and friendliness toward Communist North Korea. One dis-

sident released after Mr. Roh's in-

auguration Feb. 25 was rearrested

Even as his government an-

nounced the latest modest amnes-

ty, Mr. Roh vowed to crack down. He specifically said the govern-ment would "squash" any attempts to disrupt the Olympic Games in

Mr. Kim, a former student lead-

violence in the Pacific territory of

distinctly leftist proposals, a wealth tax, is already an object of some

disagreement, with the prime min-

Wednesday that the measure would

be formally adopted by his cabinet

One of the new government's

Seoul in September.

for his role in recent protests.

Seoul to Free a Leading Dissident

er than 100 prisoners.

Superconductors, now largely limited to the realm pared with the United States, it said, there is generally of the laboratory, channel electricity with virtually no more cooperation between government, universities resistance and loss of energy. If they became generally and companies and a greater emphasis on available, the potentials would be enormous for virtually anything that uses electricity: Computers could be built to run faster, trains that run by magnetic levitation above a track could become commonplace and electric motors could run with more borsepower.

Research breakthroughs in 1986 led the United States and Japan to step up government and private spending in the field. However, debate continues on Capitol Hill and elsewhere as to the future direction of the superconductor industry in the United States.

Commissioned by several congressional commit-tees, the study said Japan's effort is not a monolithic, government-directed crash program in the style of "Japan Inc." (The Japanese government provides about a quarter of research and development runds, as opposed to one half in the United States.) But com-

commercialization.

Long weak in basic research, Japan is catching up in the field and has a world-class team at work on superconductivity, the report found. "If technical developments," the report said, "pro-

ceed as rapidly over the next two or three years as during 1987, Japanese firms will be in better positions to move toward commercial applications than Ameri-The United States in the past has led the world in

basic research, but in recent years has stumbled in marketing products based on its discoveries. The vitte recorder is a prime example. One problem, the report said Tuesday, is that U.S. companies are too concerned with quarterly profits.

Because commercial applications of superconductiv-

ity are probably years off, it said, many U.S. companies are standing aside and letting others do the work.

Military programs by the Defense and Energy departments account for most federal research into superconductivity, which reduces the potential for com-

mercial spinoffs, the report said.

The study also questioned the federal government's long-standing philosophy of funding only basic research and leaving development of commercial applications and leaving development of commercial applications to the private sector.

battles on Monday.

Brigadier Pieter Gagiano, the army's chief of operations raised the previous reported death toll of 200 Cubans and Angolans. The soldiers were killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calueque, a few killed in air and ground attacks around a dam at Calue

Saying the current approach "seems unlikely to Foreign Minister R.F.

options:

• Increasing government funding and sharing costs of joint research and development by the industry. A working group of experts would be set up to help shape consensus.

• Toreign Minister R.F. Botha was quoted by the state run radio on Wednesday as saying the fighting raised a question mark about a new round of peace talks due in the United States next month. South Africa, or joint research and development by the industry. A myola, Cuba and the United States are to take part in the talks.

Creation of a "Civilian Technology Agency" that would take a direct federal role in devising commercial

NAIROBI (AP) — Tigrean rebels have claimed that Ethiopian war-planes killed more than 600 civilians in air raids on an ancient market town during the government's two-month counteroffens

Rebels Allege Ethiopia Killed 600

WORLD BRIEFS

JOHANNESBURG (Reuters) — The South African Army said Wednesday it had killed more than 300 Cuban and Angolan troops in

town during the government's two-month counteroffensive.

The guernilas said Tuesday that the strikes by four MiG fighter bombers and two Mi-24 helicopter gunships occurred June 22 in Hanzien, 550 kilometers (340 miles) north of Addis Ababa, the capital.

Wednesday is market day in Hauzien and hundreds of peasants are drawn to the town. The attack wounded more than 360 people and killed hundreds of animals, said the rebel communique from the Tigre People's Liberation Front information center in London.

Paris Train Crash Toll Revised to 56

PARIS (Combined Dispatches) — French police on Wednesday revised the death toll in Monday's Paris train crash downward to 56 from

Police sources said later that confusion had arisen because many of the bodies had been torn apart when a commuter train amashed into a stationary train at the Gare de Lyon in Paris. Investigators, delving into what caused the crash, are focusing attention on the final 40 minutes of the train trip. (Reuters, AP)

Rebel Archbishop Ordains Priests

SION, Switzerland (Reuters) — Archbishop Marcel Lefebvre, defying the Vatican, ordained a group of rebel traditionalist priests on Wednesday in a preinde to his plans to consecrate bishops on Thursday, which observers say is likely to lead to a schism in the Roman Catholic Church. The French prelate, 82, angry with what he views as a dangerously liberal papacy, told the priests in a ceremony in front of 5,000 people: "You have the responsibility to disobey if they want you to become

Acting without authority, he plans to ordain four bishops on Thursday a move that would bring his automatic expulsion from the church Despite a piea from Pope John Paul II, Archbishop Lefebyre's assistant said preparations for the ceremony were ready and it would certainly go

Cairo Recalls 2 in Missile-Parts Plot

WASHINGTON (NYT) - Egypt has recalled two military officers speaking in an interview, an Iraqi diploinat charged that the United States motives for this ac-

WASHINGTON (NYT) — Egypt has recalled two military officers from Washington after they were implicated in a suspected conspiracy to illegally export materials to make ballistic missales, American and Egyptian officials said Tuesday.

One officer, Lieutenant Colonel Mohammed A. Mohammed, who was assigned to the Egyptian Embassy in Washington, was arrested last week. Colonel Mohammed claimed diplomatic immunity and was released. But the United States has asked Egypt to waive immunity.

The other officer, who was also assigned to the embassy, is Admiral Abdel Rahim el-Gohary, who was named in a U.S. Customs Service affidavit as having been involved in the effort to procure the missile material. He was not arrested. The U.S. wants Egypt to waive immunity in his case as well, an American official said.

in his case as well, an American official said.

For the Record

Switzerland lifted on Wednesday a ban on fishing in Lake Lugano, which was the last health measure still in force after the nuclear accident

in April 1986 at Chemobyl in the Ukraine.

[AP]

EC environment ministers reached an agreement Wednesday on limiting exhaust pollution from small cars. It covers the range under 1.4 liters. The EC has already agreed on similar measures for the other cars. The small cars account for most vehicles in the trade bloc. . .

Turkish rescue teams pulled 39 bodies Wednesday from the debtis of roadside coffeehouse swept away by a landslide June 23 in the mountain village of Catak. The possible death toll is now at 64.

TRAVEL UPDATE

A new Polish-Soviet frontier crossing will open Thursday to ease tourist and freight traffic, the PAP news agency said Tuesday. There are at present only two crossings along the 1,244 kilometers (770 miles) of trontier, at Terespot and Przemysl. The new one is in the northeast 40 kilometers from the road to Wilno, Lithuania. British Airways has received permission to start weekly nonstop flights
(IHT)

between London and Scoul on Sept. 6.

(Continued from page 1)

retail sales in 1987.

neck and a fractured back. Both were assigned to the 50th Tactical Fighter Wing at the Hahn Air Base south of Koblenz, and were on what the air force de-

The third F-16 crashed in the-

said: "There was a sky full of planes at the time of the crash," possibly accounting for reports on the German wire services that the American jets had been involved in

Air force officials said the cause tions were complete. There was no immediate comment from the West German government.

Last April, after two F-16s known "would be premature."

In all, 20 American F-16s have crashed since the planes began service with the U.S. Air Force in 1981. There are 235 F-16s assigned to Europe.

and particularly American fighters, have generated considerable irritation among West Germans.

Israelis Expect Shultz in July On 4th Peace Tour This Year

Mr. Rabin had been told that Israel

TEL AVIV -- Secretary of State George P. Shultz may return to the Middle East next month for his fourth peace mission this year, despite the apparent lack of progress, a senior U.S. official said oo Wednesday.

H. Armacost said as he left Israel after a three-day visit: "We dis-cussed the possibility of a visit in July of Secretary of State Shultz." An Israeli official said Mr. Shuitz was likely to tour Israel, Jor-

Shultz was likely to tour salact, Jondan, Egypt and Syria again in mid-July or early August, but he cau-tioned against expecting progress toward peace talks before the Israe-li and U.S. elections in November, He said Mr. Shultz regarded the trip as "the maintenance of the peace process" but realized there was no hope of convening an inter-national conference this year to start Arab-Israeli talks on the fu-

ture of the occupied West Bank and

Gaza Strip.
"Nobody expects any real progress in this area, let alone a breakthrough," the Israeli aide said, Bot he said there could be progress in undemocratic repressioo or ining ourselves internationally" by fringement of buman rights." The keeping him in prison. the U.S.-Soviet dialogue on a Mid-

dle East solution.
[In Washington, the State De-partment spokesman, Charles Redman, denied on Wednesday that Secretary of State Shultz might make a trip to the Middle East in July, The Associated Press reported. Mr. Redman said, however, that Mr. Shultz was not ruling out another visit to the region later this

Even as his government an-namoed the latest modest amnes-Mr. Rob vowed to crack down.

In other developments on Wednesday, Israeli soldiers shot and wounded two Arab men during a tax collection raid in the Wes Bank and authorities clashed with Palestinian protesters in at least six other places, including East Jerusa-lem, Israeli police and Palestinian

Hilal al Shakhsheer, 22, and Anan Fatou, 24, were wounded during clashes between throwing protesters and soldiers, which erupted when Israeli tax officials and soldiers raided stores to collect overdue taxes in mixed Jew-

ish and Arab neighborhood in Je-The police played down the incident, saying merely that a stone had been thrown at a police patrol. Shops in the West Bank and

Gaza Strip were closed and many Mr. Rocard, a moderate Social-ist, became prime minister after his card's speech made clear that he Palestinian workers stayed home in observance of a general strike called by the underground committee directing the six-month-old Palestinian uprising in the occupied territories. Most Arab students did not attend classes.

Police and soldiers checked identification papers and turned back Arab vehicles headed toward the Jewish half of the city, but there were no reports of violence in Jeru-

Mixed U.S. Messages

The U.S. government has reas-sured Defense Minister Yitzhak Rabin of Israel of the U.S. commitment to Israel's security, while scolding him for violence to quell Palestinian disturbances in the occupied territories, The Associated Press reported from Washington.

Mr. Rocard also announced that his government would create a with President Royald Reagan, Audiovisual Council that betray his convictions," he said. would replace a television watch-"All the Socialists here intend to dog body established by the Chirac government. President Mitterrand had harshly criticized the Chirac munists, liberals or Gaullists — agency for failing to guarantee im-also do not intend to renounce partiality or defend rigorous cul-

ister favoring a relatively mild tax and his finance minister, Pierre Bérégovoy, plumping for a stiffer one. Mr. Rocard announced on

Vice President George Bush and other officials, the White House said Tuesday that the U.S. govern-ment "reaffirmed America's com-

But in a detailed statement on private talks, the White House said

"Neither should violence nor Bank and Gaza Strip. Bank and Gaza Strip. The wording was accompanied by a U.S. promise to sign a memorandum of understanding for the joint U.S. Israeli development of an anti-tactical ballistic missile to meet concerns about "ominous for peace are essential, as is a cli-Undersecretary of State Michael

peace settlement and less inclina- ries, the White House said in its tion toward violence in the West statemen

should show more flexibility on a nation yet of violence in the territo-

new military developments in the mate that makes negotiations pos-region." (Renters, UPI)

U.S. Gave Iran Secrets On Attack, Iraq Says

By Youssef M. Ibrahim New York Times Service

PARIS - In a growing deterioration of relations, Iraq accused the United States of supplying intelligence information to Iran that revealed details of Baghdad's mili- mians with information they obtary plans to launch its successful attack on the Majnoun oil field last

Senior Iraqi officials also said in interviews on Wednesday that Iraq, which has now recaptured much of the territory overrun by Iran, has no plans to invade Iran but will not accept any cease-fires until a comprehensive peace agreement is reached to end the war, oow nearly

eight years old. Iraq retook the artificial string of Majnoun Islands that straddle one of the Middle East's largest oil fields - with estimated reserves of 30 billion barrels of oil - in an eight-hour artack that ended three

years of Iranian occupation.

The charge of U.S. collaboration with Iran was made by President Saddam Hussein at a ceremony honoring air force officers in Bagh-dad, and reiterated today in Paris by senior Iraqi diplomats in what appears to be a coordinated campaign, deepening a recent rift in relations between Baghdad and

Washington. Relations between the two countries became strained earlier this month when State Department officials in Washington allowed Jalal Talabani, an Iraqi Kurdish leader

opposed to the Iraqi regime, to speak there and to meet with several American officials. Iraq countered by canceling a planned meeting between its for-

eign minister, Tarik Aziz, and Secretary of State George P. Shultz. It charged then that the United States was deviating from its avowed policy of neutrality in the Gulf War and attempting to reopen a dialogue with moderate elements in Iran, in the same way it tried to do so in what has become known as

the Iran-contra scandal. Arab diplomats in Paris said it was wrong to underestimate the anger felt by Iraq about the meeting with the Kurdish leader, because of Iraq's great fear of encouraging any internal schisms in its tribal and

sectarian society. "Anything that touches on eth-nic matters in Iraq, whether it con-

reported from Washington.
Summarizing Mr. Rabin's talks zy," said one Arab ambassador, who asked not to be identified. "They have suffered very very much from the Kurdish separatists

in the sixties and seventies and now they are projecting this meeting and wondering what are the Ameri-cans up to?" the Arab official said. President Hussein told pilots in a

seen as a moderate element 3 U.S. F-16s

Go Down In Germany

speech Tuesday that "the Ameri-cans informed the Iranians by all

means about the massing of Iraq's

tion was to revive lobbying efforts

with "so-called moderate elements

in the Iranian regime" to find a new opening for relations through the

parliamentary speaker, Ali Akbar Hashemi Rafsanjani.

The speaker was recently elevat-

ed to the post of commander in

chief of Iranian armed forces and is

By Serge Schmemann New York Times Service

BONN -- Three U.S. Air Force F-16 Falcon jet fighters went down over West Germany on Wednesday, bringing to five the number of F-16 crashes in three months. The accidents are certain to provoke a new outcry from West Germans against low-level training flights over their land.

One pilot was killed, one was injured and the third ejected to

The air force said two of the fighters collided in midair over Bo-denbeim, about six miles (about nine kilometers) south of the city of Mainz, and crashed in an empty field near a highway and some

One pilot, Captain Michael A. Crandall, 30, was killed, and the other, Captain Robert McCormack, 31, suffered burns on his

scribed as an "air-to-air training mission" when they collided in mid-afternoon.

morning near the resort of Baden-Baden while returning to the Canadian air base at Baden-Solingen after a North Atlantic Treaty Organization exercise.
A Canadian military spokesman

a mock doglight at the time of the

The pilot of the third plane, iden-tified as Captain Jack. J. Friedman, ejected from his plane before the crash and was taken to the hospital at the Ramstein Air Base for examination. He was assigned to the 57th Tactical Fighter Wing at the Spangdahlem Air Base near Trier. of Wednesday's accidents would not be made known until investiga-

crashed within two weeks, the West German defense minister asked that use of the fighters be suspended if technical faults were suspected of causing the crashes. But the U.S. Air Force commander in Enrope, General William L. Kirk. ruled that grounding the planes before the cause of the accident was

The regular low flights and frequent crashes of NATO aircraft,

CHINA: More Private Enterprise goal of 36 million workers in pri

nese work for enterprises with fewvate enterprises, as suggested b the People's Daily, the private sec er than eight employees, and they tor would long remain a "side accounted for more than 12 percent of the country's total volume of

The People's Daily said that if private enterprises of the variety employing eight or more workers could be expanded to employ 36 million workers, they could then account for 10 percent of the country's industrial ontput. This would mean a tenfold expansion of this private work force.

private enterprises than the Soviet ployed laborers. Union, where the private economy, Union, where the private economy, such as it is, is reported to have produced only 0.03 percent of that 150 million Chinese, constituting more than one-third of the constituting more than one-third of

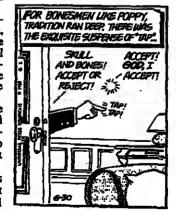
show" when compared with hug state-owned industries. China's reformist leaders have for some time viewed private enterprises as a "oseful supplement" to the public sector, providing compe-tition for the mostly sluggish state owned enterprises.

The People's Daily indicated that the leaders now hope that private enterprises, which are more Even at its present level, China active in the countryside than in the has far more family enterprises and cities, will help to absorb unem

country's consumer goods in 1987. the rural labor force of an estimate The Western diplomat said that ed 380 million, are unemployed that even if China could reach the are working only part of the tim

.THE KINSHIP AND BONDING

DOONESBURY









Britain Drafts Revision of Secrets Act according to the White Paper. The govern-ment will have to prove in court that the

By Howell Raines New York Times Service LONDON - The British government out-

lined its long-promised bill to reform the Official Secrets Act on Wednesday, drawing groans from civil libertarians and cheers from supporters of Prime Minister Margaret Thatcher's legal campaign against the publication of classified information. The centerpiece of the government plan is

a proposal to narrow the catch-all Section Two of the 77-year-old law. It makes the disclosure of even the most innocuous goverament information a criminal offense for which both government employees and journalists can be prosecuted. Home Secretary Douglas Hurd said that the oew bill, to be based on a White Paper

delivered to the House of Commons Wednesday, will do away with restrictions on routine government information, while assuring that egitimate government secrets are protected. He said that criminal penalties henceforth will apply only to six highly specific new categories of national security information.

We are proposing to narrow, refine, define," Mr. Hurd told Commons. Later, he contended that the government was offering a "common sense balance" between the government's need for secrecy and access to information by public and press. Mr. Hurd said that abolition of the outmoded Section Two provision, which made it an offense merely to receive unauthorized information, was a step forward for journal-

However, opposition politicians, some Conservatives and leaders of the Campaign for Freedom of Information denounced the proposal as a draconian measure falsely paraded as liberalization. Richard Shepherd, a Conservative who earlier this year offered a bill to remove the

restrictions on journalists, pointed out that the new law was "repressive" in comparison to the United States and Canada. The proposed legislation represents a hard-line extension of Mrs. Thatcher's legal campaign against the publishers and author of Spycatcher," the memoir in which Peter Wright, a retired spy, accused British intelli-gence officers of dirty tricks.

It will remain a criminal offense for any intelligence agent to disclose government information without authorization at any point in his life, regardless of whether any harm was done by the disclosure. The rules for journalists are less strict,

Under legislation to be debated next month, government employees and journal-ists could be liable to criminal prosecution and up to two years in prison for publishing information in six categories: defense, security and intelligence, international relations, information obtained in confidence from other governments or international organiza-

tions, information useful to criminals, infor-

mation from intercepted communications.

national interest was harmed by publication

and that "the person concerned could reason-

ably be expected to have known that it would

In moving to rewrite Section Two, Mrs. Thatcher was responding to pressure from two quarters. Courts have been increasingly reluctant to return convictions under Section Two. Also, in January, Mr. Shepherd, introduced a Protection of Information Bill that removed penalties against journalists and also required the government to show that "serious injury" had been done before government employees could be prosecuted.

Mr. Shepherd's bill proved so popular that Mrs. Thatcher's Conservative majority of 101 seats was reduced to 37 in a test vote.

Rebel Archbishop Orly

PARTY.

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For the Record

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MINES - MAY MAD

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DE JANEERO leaguered treasure house, ez a somewhat less gloomy of experts gathered here have

pates from 42 nations are ing a 10-day conference of ng a 10-day constant Timber tenational Tropic Timber tation, a new body and the tenather the owners of

> reganization is essentially a group, but the underlying here is the survival of the

keeping it alive? If so, who will pay and animal species.

"Everyone here is very aware that world pressure to safeguard the tropical forests is growing" ology at Harvard University and a consultant to the organization. This is a very different world from tropical forests has come from in-10 years ago. There is great pressure on both producers and con-

sumers of hardwoods." vesting, the spread of farming and nalists. They say they are deter-collection of wood for fuel, forests mined to see the nimber conference in many tropical regions are dwin-adhere to its charter, which accepts dling rapidly, at a rate of nearly 12 the need to regenerate rather than dling rapidly, at a rate or nearly 12 million hectares (nearly 30 million despoil the tropical forests.

The conservationists, who inacres) a year.

Widespread destruction of tropi- the trees. buildup of carbon dioxide in the atmosphere that scientists fear is the greenhouse effect.

Much of pressure to safeguard ternational conservation groups, whose representatives have also arrived here in large number to prod Mainly because of timber har- and buttonhole delegates and jour-

Experts say this is causing short- chude foresters, agronomists and dominate all others on the ages of valuable timber and envi- biologists, say they are supporting

agenda: Can new techniques make ronmental problems such as soil the organization and appear to the rain forest profitable while erosion and the extinction of plant have formed an uneasy alliance with the timber concerns that sell

"This is the only arena where producers and consumers are tosaid Peter Ashton, professor of bi-causing a global warming known as date toward conservation," said gether and have an explicit man-Kenneth Cook, an American represeniative of the World Wildlife Fund. "We feel this is worth pursuing and supporting."

In asides, however, some of the European lobbyists say they will stage street protest actions against some of the members here should the organization be of no belp in halting the rapid destruction of the

After almost 10 years of talks, the group was formed nearly two years ago and its members repre-sent 95 percent of the tropical timber trade. The current meeting, the third, is the first time the group has gathered in a producing nation. Brazil has almost a third of the tropical forests in the world.

The organization has been short of money, and of the rich nations, only Japan, Switzerland and the Netherlands have pledged contri-butions for projects. Several na-tions, including the United States, are in arrears in their dues.

Most support bas come from Japan, the single largest importer of tropical hardwood. It lobbied hard to become the seat of the organiza-

Divisions run deep. The rich countries say they want to stabilize tion within his campaign and the their supply. The poor countries Democratic Party that the field has rich importers control prices and

sic example of the economic distortions between the developed and developing world. While the na-includes income tax returns, aca-tions of the tropics export almost demic records, driving records, mil-\$6 billion worth of logs and planks itary records and health records.

A vear, the same nations import

Mr. Dukakis, who has acknowlished wood products.

say, 'Let's talk about the world trade, we're losing more than \$3

Greek Bomb Is Claimed By Leftists

ATHENS - The extreme left guerrilla group November 17 claimed responsibility on Wednesday for the murder of a U.S. military attache, Captain William E.

The captain, 51, a naval officer for nearly 30 years who was about to retire, was killed Tuesday morning by a remote-controlled bomb as he was driving to work.

The police said they were looking for two men who escaped after the blast on a stolen motorbike. November 17 said in a letter to

the newspaper Ethnos, its usual forum for claiming responsibility for such acts, that Captain Nordeen The Atlantic Institute often was had been killed because of what it confused with the semiofficial in- called U.S. support for "Turkish

The police said the statement ap-

The organization, a skilled urban support of the North Atlantic Trea- guernilla group, has claimed responsibility for a long list of politi-cal murders and bombings over the last 13 years. Each operation has been planned and executed with deadly precision.

The November 17 letter said that

the murder was the second stage of an operation begun on May 23, when the group bombed the cars of

The group condemned efforts to Mr. Guth, the former head of foster better relations between Tur-Deutsche Bank, took over as the key and Greece, which started talks

Prominent among the founders expansionism in the Aegean. It said nancing in the form of contracts or seconded personnel, the Atlantic commissioner in occupied Germation parties and the army had "sold

Paying tribute to the Atlantic In- and businessman, who died last called for Greece to pull out of the



"STERY RESOLVED --- In the border town of Cindad Juárez, Mexico, Micaela Aguilera de Turban and a suite a suite a logs a boy she identified Tuesday as her runaway son, José de Jesús García Aguilera, 9, ing since last fall. The boy, who is partially deaf, was found wandering the streets of the town ovember and had been a mystery to welfare workers on both sides of the U.S.-Mexican er. The boy speaks only a few words and communicates primarily by gestures and drawings.

TRAVELUM tlantic Institute, a Policy Group Paris, Closes Because of Deficits

the serve has named a war by Joseph Fitchett

AIS — The Atlantic Institute, ately funded foreign-policy tion that was part of the pacered the idea of trilateral

nated its research library to lled with embassics near the

being liquidated, probably licy institutes, where researchers a month, but the final legal cons remain to be decided," political roles" in their own countries of the constraint of the constrai ed Guth, 69, chairman of itute's governors, said from any in a telephone in-*:pay off all the institute's

st director-general, Andrew 34, who was a senior official Council for Foreign Rela-New York, took over in ast year, with hopes of reju-g the institute's memberattracting a new generation

the transition brought to derlying problems in the spounted to a deficit ex-\$500,000.

fierre, during the months be the institute, said he spent wy time raising money to e deficit and then to try to ard, but all of our plans nancial crisis."

ant years, the institute had nal budget of \$1 million, a , 17, a prestigious roster of and regularly published mmphlets and newsletters national issues. But the in its activities, Mr. Guth iled an erosion in contriand personal interest new generation of leading men in security issues."

stitute also suffered from NORS WANTED Ly. Publisher

competition from newer organizations with similar functions.

Commission, for example, overlap in membership, activities and have trans-Atlantic sources of corporate financial supshment for a quarter-century port. But personal rivalries apparently undermined two attempts to nation between the Western merge the two organizations, one e and Japan, has ceased op-is for lack of funds, institute is said Friday.

recently and a first one in the mid-1970s shortly after the Trilateral Commission showed its appeal Commission showed its appear among influential businessmen and among influential businessmen and s since 1961, has dismissed political leaders in the United

.t handful of staff members States, Western Europe and Japan. Enid Shuttle, who is the director Jermany's leading foreign-association and taken down Foundation in New York, which rect plaque in a neighbor-gave grants to the Institute, said, lled with embassics near the The institute was overtaken by the emergence of national foreign-po-

Unlike national foreign-policy associations in Western Europe, all .Funds have been raised, he of which get some government fiseconded personnel, the Atlantic Institute was financed by compa-

nies and private contributions. stitute's role in France, Dominique year. They brought together other Morsi, deputy director of the French Institute for International Relations, said: "It made a unique contribution during the Gaullist contribution during the Gaullist era when the Western alliance called for Greece to pull out of the North Atlantic Treaty Organization and to close 20 U.S. military believes in the country.

U.S. experts are expected here shortly to help investigate the kill-ance's strength amid the changes of era when the Western alliance ance's strength amid the changes of ing of Captain Nordeen.
needed advocates in our country." the postwar era. (Reuters,

The institute and the Trilateral ternational network of national or-imperialism."

ganizations — grouped as the The police said the s North Atlantic Council — that peared to be genuine. Seek to mobilize public opinion in The organization, as ty Organization. Terrorists bombed the Atlantic

Institute in 1984, apparently believing it had NATO connections. The institute increasingly focused on issues of trade, public opinion and technology that affected the industrialized democracies.

But it was stamped by the strong Turkish diplomats in Athens to personalities and friendships of its founders in the United States and ter Mesut Yilmaz. Western Europe.

institute's chief trustee in 1984, suc- in January after almost going to ceeding John Loudon, former presudent of the Royal Dutch/Shell Aegean Sea.

The letter blamed U.S. imperial-Group, who had close wartime contacts with the U.S. policy-making ism for the Turkish occupation of northern Cyprus and for Turkish

ny, and Kurt Birrenbach, a West out" the people of Cyprus.
German conservative politician The November 17 letter also

THE BEST OF TASTE:

Take a large measure of Beefeater Gin and add

it to the juice of a freshly squeezed lemon and one

teaspoonful of sugar. Pour into the tallest glass you

the ice. Add a dash of Angostura Bitters, stir (slightly)

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James Burrough, Beeleater House,

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THE GIN OF ENGLAND



Vice President George Bush examining a Cray-2 supercomputer during a visit to the Ames Research Center of the National Aeronautics and Space Agency in Mountain View, California. A NASA guide explains the system, one of the world's most powerful.

weeks.

Dukakis Narrows Vice President Field

By David Hoffman Washington Post Service

BOSTON — Governor Michael tion's headquarters, which opened in Yokohama last year.

S. Dukakis says his search for a vice presidential nominee is "still a very open process," but there is speculawho own the forests say that the narrowed to a handful of members

of Congress. refuse to pay enough to permit Democratic sources said Tues-large-scale replanting of trees.

They call the timber trade a clas-ed detailed financial and health information from several possible running mates. The material sought

more than \$10 billion worth of fin-edged that Senator Bill Bradley of New Jersey has "clearly and un-"We need better wood prices for equivocably" taken himself out of investments," said Julio Centeno, a consideration, was careful Tuesday Venezuelan forester. "When we to leave the door open to another potential running mate, Senator Sam Nunn of Georgia, whom some billion, the countries from the Democrats have advocated because North here get angry and refuse." of his knowledge of defense policy and the appeal his nomination

would have in the South. Scott Maxwell, a Nunn spokesman, said Monday that the senator has not provided any of the information sought by the Dukakis campaign.

Mr. Nunn's decision not to provide the data has been read by many as a signal that he does not want to be on the ticket, but Mr. Dukakis said he might "push a little bit" if he settles on someone

who has expressed no interest but

has not ruled himself out.

Mr. Dukakis was to spend part of Wednesday in Washington talking "to people who may be good prospects for the vice presidency" and part of it talking "to good people generally in the Congress and Senate who I admire and respect, and one of these people ap-

pears to be Sam Nunn." This is still a very open process," Mr. Dukakis said, admonishing reporters that "there's only one guy who knows what's going on, that's the guy you're looking

Paul Brountas, a Bostoo lawyer and a Dukakis confident, is beading the search. And a team of lawyers is scrutinizing data provided by the prospects.

Senator Alan Cranston, accompanying Mr. Dukakis to Washington for a speech on housing policy. said he takes Mr. Nunn's expres sion of a lack of interest seriously.

The California Democrat said he has talked privately with Mr. Dukakis about the selection but would not reveal details of their discussion. Mr. Cranston said the "betting" ou Capitol Hill centers on Senator John H. Glenn Jr. of Ohio and Senator Lloyd Bentsen of Texticket in their states but are not said. known as charismatic campaigners.

mark, Mr. Dukakis said, "I'm oot a the choice of Mr. Kean, who has betting man."

reports that he intends to announce be announced this week by Frank his choice this weekend. The gover- J. Fahrenkopf Jr., the Republican nor said Tuesday that "over the National Chairman.

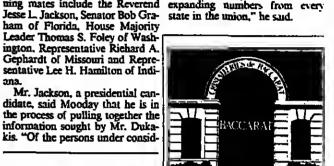
ning mates include the Reverend expanding numbers from every Jesse L. Jackson, Senator Bob Gra-state in the union," he said. ham of Florida, House Majority Leader Thomas S. Foley of Washington. Representative Richard A.

sentative Lee H. Hamilton of Indi-Mr. Jackson, a presidential can didate, said Mooday that he is in the process of pulling together the information sought by Mr. Duka-

New York Times Service WASHINGTON — Governor as, both of whom would help the in August, Republican officials

The officials, all of whom asked Asked about Mr. Cranston's re- not to be named, said Tuesday that been mentioned as a Republican Dukakis campaign aides denied vice presidential prospect, would

stood the same public and private The Democratic National Con-test as Governor Dukakis, I have vention opens in Atlanta in three faced FEC (Federal Election Commission], ethics, financial and en-Others who have been the sub-durance tests twice and emerged ject of speculation as potential run- with public acceptance and votes in



Kean Will Make **Keynote Address**

Thomas H. Kean of New Jersey. one of the nation's most popular Republican chief executives, will deliver the keynote address at the Republican National Convention

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Gorbachev on the Line

Surprisingly Bold

Anyone who thought that opposition to Mikhail Gorbachev's reforms would blunt his determination got a surprise on Tuesday. In a speech opening the extraordinary Communist Party conference in Moscow, be pressed his campaign for political and economic reforms and told an assembly dominated by state and party officials that the biggest obstacle to perestroika is the heavy-handed management style they re-fuse to relinquish. The general secretary may not be able to win ratification for everything he wants, but his speech yields no evidence that he intends to retreat from his efforts to overhaul Soviet society.

Mr. Gorbachev proposed the party con-ference last year — the first since 1941. He envisioned a gathering of enthusiastic reformers who would approve steps to consolidate and expand perestroika and join him in ridding the party's Central Committee of reactionaries. The intervening months brought noisy objections. To con-servatives, Mr. Gorbachev's eagerness to confront the failures of history defamed a glorious past. And where reformers saw democratization as essential to change, op-ponents asked how change could ever be carried ont by a weakened state and party. Thus when the conference opened on Tuesday reformers among the 5,000 delegates were outnumbered by supporters of the status quo. That narrowed the expectations of the conference and dampened talk about Central Committee replacements.
Nevertheless, Mr. Gorbachev showed no

A Russia-Sized Task

Mikhail Gorbachev wants 10 make the Communist Party of the Soviet Union a fitter instrument to rule. That is surely the large purpose of the party conference be opened on Tuesday in Moscow. His major new proposal, however, was to heavy up the government side of the machinery of politics, as distinguished from the party side. His plan emerged only in sketch form, and how it would actually work, if some version of it were put into effect, is sheer speculation. But his signal is clear: Political reform (meaning keeping the party in power but putting it into a more competitive environ-ment] is the key to the general transforma-tion he has in mind. The question is how the party could survive the surgery which he wants to perform on it - or, more precisely, which he asks it to perform on itself.

It is a huge, Russia-sized task that Mr. Gorbachev has accepted in trying to do over a system supposedly impervious, or at least ferociously resistant, to change. He is a shrewd politician, as his success in taking power and launching his shock initiatives demonstrates. Shrewdness, however, is not the lever with which he is prying the Soviet system. He has a vision of his society which strikes even the many Soviets who shrink

inclination to give in sternly criticizing wrongheaded "command and pressure" management techniques. Perestroika has made available the tools of change, he said. Families could lease and till land; semiprivate cooperatives could produce goods or services. Yet all this is thwarted by manag-ers who cling to the past, "filling the new managerial forms with old content." To move forward now, he said, requires

a reduction in Moscow's centralized power, a separation between government and party, the involvement of more people in decision making and a dramatic increase in individual freedoms. Land leasing must be instituted nationwide to boost food production. "We must make the farmer sovereign master, protect him against command methods and cardinally change the conditions of life in the village." In industry and services, old management patterns must give way to "economic le-vers and incentives." Sweeping reform of state-controlled prices, bowever worri-some to consumers, would be essential. There is no predicting what the confer-

ence will do with the specifics of Mr. Gor-bachev's program. Televised coverage ended with his speech and will not resume until the closing ceremonies at the end of the week. Yet his address demonstrates his willingness to put his own reputation on the line. He could have been far more cautious, trying only to consolidate support. Instead be threw out a basic challenge to the Soviet power elite. The Soviet people, and the rest of the world, now await the response.

THE NEW YORK TIMES.

from it as responsive to its tremendous needs - too responsive. Their expectations are more modest; their faith in the professed ideals of their system is much more modest. They would not dare even to discuss many of the problems be has used glasnost to push upon the public agenda, fearing that the cost in instability, in change and risk, in loss of the familiar ways of party control and party

members' privilege, is simply too great.

The doubters have powerful arguments.

For instance, glasmost helped blow the sparks of ethnic nationalism into the political fires now blazing in the Caucasus (Armenia, Azerbaijan) and the Baltic states; on Tuesday the general secretary had to denounce an "obsession with national isolation" in those regions. He elaborated on a virtual Soviet bill of rights, but he cautioned that citizens "can't use democracy itself for undemocratic purposes" such as redrawing ethnic boundaries or establishing new political parties, and he dispatched police to quash the day's demonstrations for those causes. So it is forward and backward and sideways in Moscow, with the outcome unclear. Just to see astonishing long-dormant issues take life, however, is to realize that Mikhail Gorbachev has brought his country to a place

-THE WASHINGTON POST.

Other Comment

Historic Stakes in Moscow

Mikhail Gorbachev's four-hour speech to the first party conference to be beld since the dark days of 1941 was a noble event and one of monumental importance for the future of the Soviet Union. It amounted to a call for the members of the ruling elite to abandon much of their power and privilege. Such an act of renunciation and of moral cleansing would be almost without precedent in modern history. Experience, as well as Marxist theory, teaches that those who exercise great authority are reluctant to abandon it voluntarily.

Mr. Gorbachev declared in effect that be was no social democrat and equally no Trotskyist. He was an ideological Leninist on the perilous road to the 21st century.

- The Independent (London). To call for such fundamental changes by

next spring suggests a very real sense of urgen-cy — more the urgency of the last-chance gambler than the confident bureaucrat. - The Times (London).

To outside observers, the principal message from the conference will be whether it enhances or detracts from Mikhail Gorbachev's credibility as leader and how this change, in turn, will affect his ability to persevere with his policies. In this regard, the rest of the world, developed and developing countries alike, bas a very real stake in bow the conference turns out. A fortified Gorbachev can be expected to contribute to a settling of the Kampuchean issue. He realizes that drawn out forays abroad deflect vitally needed resources from an ailing economy and seriously threaten his economic restructuring program. Thus, whether Mr. Gorbachev's sense of national priorities is ratified by the conference in Moscow will have significant long-term implications both inside and outside Soviet borders.

- The Jakarta Post. This week's debate in Moscow is about the extent of reform and the pace at which it should be introduced. It is a dramatic test of wills between the Gorbachevian "radicals" and the "gradualists," who look to the Soviet Union's second most powerful man, the ideologue Yegor Ligachev, to preserve the basis of Brezhnevian stability.

Mr. Gorbachev is clearly keen for market

forces to be allowed to operate politically as that economic bberalizations, in order to succeed, must be accompanied by certain political liberalizations. It is no good telling people to take greater responsibility for their jobs and for themselves if they are denied a significant degree of personal and political freedom. This is precisely what worries Mr. Ligachev and his allies. Their ability to undermine Mr. Gorbachev's brave new order is

such that he dare not alienate them. Despite Mr. Gorbachev's lofty rhetoric, there are clearly limits to his power and to what his reforms can achieve. It is embarrassingly clear, more than three years after his rise to power, that Soviet consumers are no better off. This is a dangerous position for the radicals to be in, for there comes a point where unfulfilled expectations cause trouble.

Mr. Gorbachev retains considerable good will among the Soviet people. There is no apparent challenge to his position as ral secretary, even from the gradualists But the price of placating Mr. Ligachev may be so high that the Soviet Union will find it difficult to improve its economic performance. Much depends on the outcome of the party conference. Anything short of a strong endorsement of Mr. Gor-bachev's policies will spell trouble for him and everything that he represents. - The Age (Melbourne).

Pentagon Shock Waves

The latest scandal in America is breathtaking not just for the many thousands of mil-lions of dollars involved, but for its broad scope. Over eight years, the Reagan administration has denleted America's bank account and spent like a shop-aholic with a new credit card. Washington's many trading partners - Thailand included - can only cringe each time there is a report of new fiscal shenanigans. Stormy seas for the U.S. ship of state means squalls throughout the world.

Clearly the American defense industry is in need of a shake-up. This latest scandal should send a strong signal to Congress that it should tighten its grasp on America's purse strings. If the U.S. budget deficit is ever to be brought under control, overgenerosity, particularly on the part of the Pentagon, must be curbed.

- The Bangkok Post.

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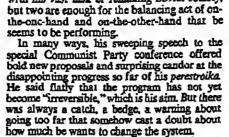
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MOSCOW — Mikhail Gorbachev has two hands. No doubt he could use 20 to cope

with his vast task of remaking Soviet society,

Alexander Yakovlev, his top adviser, said at a news conference that Mr. Gorbachev's speech had been submitted to the Politburo eight days before because time was needed for the recommended revisions. He did not say what they were, but it could be assumed that they included such things as rejecting a purge during coming "certification" of party members; defending historical revelations against charges of "maligning" the past; denounc-ing "wantomness," "irresponsibility" and "permis-siveness" in his call for "democratization."

That denunciation brought a round of ap-plause, which interrupted Mr. Gorbachev's machine-gim delivery, from the dour, hard-faced delegates scanned by the television cameras.

It is probably true, as Soviet officials insist, that hard-liners — called "conservatives" now — argue only against the pace and the methods, not

By Flora Lewis

Juggling as He Rocks the Kremlin Boat

the idea of perestroika. But the atmosphere of the conference looked heavy and glum. Asked if the

conference looked heavy and glum. Asked if the conservatives had turned out to be dominant, Mr. Yakovlev quipped. "Politically they are all Communists." No doubt about that.

Still, Mr. Gorbachev is clearly in charge. There are increasing grounds to think that the real threat he faces is not opposition that might oust him from power but demands for cantion, compromise and delay that could wind up leaving him "Brezhnevized," mouthing stirring plans that don't move things much. He made clear that that don't move things much. He made clear that it is all turning out to be a lot harder and more

Two and a half years ago, at the 27th party congress, he relied on rather limited economic reforms and technology to drive the country out of decaying "stagnation," as he calls the Brezh-nev years. Now, be is focusing on political renev years. Now, be is focusing an pointair re-forms to energize the country, get the economy into gear and above all provide "guarantees" that could prevent backshiding. In that sense he is out in front of China, which has moved a good deal further in liberalizing its economy but is still very edgy when it comes to political control. But the old Soviet gap between words and deeds theory and practice, is still there. The

deeds, theory and practice, is still there. The dilemma of how to make a one-party state responsive to its people, how to force its authorities to obey their own laws and to respect the rights of

complicated than he supposed at first.

citizens, is addressed, and then resolutely evaded.

A crucial problem, Mr. Gorbachev says, is how to redefine the role of the all-powerful party so that it no longer "commands" but only "guides." He says that the party most be moved out of government, and the government submitted to controls by elected bodies at all levels. He specifies controls by elected bodies at all levels. He specifies multi-candidate, secret-ballot elections, although they are apparently to be indirect through asceading levels of representation except at the bottom. But then, to give the elective bodies (soviets) more "prestige," he recommends that deputies choose the first secretary of the party committee at their level to lead them. If he can't win the election, the party committee should "draw the conclusion" — presumably, to dump him.

And to strengthen the government Mr. GorbaArafat Isn't

The Leader

They Need

By Jim Hoagland

DARIS—For nearly two decades journalists, officials from an number of governments and well meaning intermediaries have been try ing to coex a clear commitment out of

Yasser Azafat to make peace with Is raci. A new round of coaring has end ed with yet another barst of fog from the PLO chairman, who coyly says he will trade his authoritative view on

peace only in return for a meeting with

a U.S. government official.

It should be clear by now that Mr. Arafat is part of the Palestinian people's problem, not part of their solution. To parsue him breathlessly in the

hope that he will modify by a comma,

or perhaps even a subordinate clause, the PLO's tortured and inadequate

formulations for Middle East peace is

to play a mag's game. Worse, it helps postpone the day when a genuine peace effort can be mounted.

- The theory seems to be that a clear

declaration by Mr. Arafat would sham;

the Israeli government into reversing it refusal to deal with the Palestine Liber

ation Organization. If Jerusalem does continue to ignore the PLO, then the United States and other governments would be willing at last to pressure issued on the Palestinian issue.

But Mr. Arafat's unparalleled re-

cord of error, failure and myopia as leader of the PLO discredits any state-

ment that he could make about the

Arab-Israeli crisis as it exists today.

He lacked the vision and courage to make such a statement when it would

have mattered, in the year or so after

the October 1973 Arab-Israeli war, In-

stead he went to the United Nations wearing a pistol holster, and later squandered the best chance of a genera-

tion for a peace that would have recog-mized Pelestinian political rights. He preferred the delights of being a war-

lord in Lebenon and keeping the PLO and its treasury united under his rule to

running the risks and facing the splits that peacemaking would have brought. He urged intellectuals like Said Hammami (assassinated in London in 1978) and Issam Sartavi (assassinated to 19

in Lisbon in 1983) to voice the PLO's desire for peace with Israel, while he

remained more ambiguous and alive.
Without quite realizing it, I witnessed the beginning of this pattern 15

years ago when Mr. Hammami intro-

duced me to Mr. Arafat with assur-

ances that the PLO leader was about to break with the rejectionist line and declare the PLO ready to live in peace

with Israel. This might even come in our conversation, hinted Mr. Ham-mani, whom I had come to know and

like in Beirut. But it did not amount to

much. For small talk I stumbled

through my few words of Arabic, and Mr. Arafat responded in his then equally sparse English. My attempts to draw him out on Israel caused him

to turn on the fog machine full level

delphic unterances on peace and secu-

rity was triggered by a written state-

ment attributed to Bassam Abu Sha-

rif. who left Georges Habash'.

Popular Front for the Liberation of

Palestine last year to join Mr. Arafat

The Palestinians "see no way for any dispute to be settled without di-rect talks between the parties to that

dispute, and we feel that any settle-

ment imposed by an outside power will not stand the test of time," Mr.

Arafar's aide wrote in language that echoes Israeli Prime Minister Yirzhak

Shamir's stand on peace negotiations.

off on the document before it was re-

leased. But, characteristically, he re-

fused to acknowledge these views as his

own when asked about them in Bel-

grade. That, he said, was a matter for

discussion between him and an official of the U.S. government, which has re-fused to deal with the PLO since 1975.

Mr. Shamir has incorrectly dis-

missed the incremental changes in the statement as "nothing new." It is accu-rate, bowever, to dismiss the number

penned by Mr. Sharif on Mr. Arafat's

behalf as "nothing significant," be-cause they are made against the back-ground of Mr. Arafat's history of de-

Shifting nuances will not break the Israeli-Palestinian stalemate. Only bold change initiated by the Palestinians is likely to do that. Replacing Mr. Arafat would be one step in that direction. So would the representation of the Palestinians is the palestinian of the Palestinian

would the renunciation of the Palestin-

ians' National Charter, which continue

Forming a government in exile that gives West Bank and Gaza leaders more of a voice in running the PLO is the best way to dump both the chair-

man and the charter. And it would set

to call for the destruction of Israel.

ception and tactical retreat.

Mr. Arafat would surely have signed

much to Mr. Hammami's dismay. The latest flurry of the small cottage

And to strengthen the government Mr. Gorbachev calls for a president with substantial powers, to be elected by the Supreme Soviet. Should
that be the same man who is general secretary of
the party? Could rival candidates rim? Could Mr.
Gorbachev stay as general secretary if be lost on
the presidential vote? No answers.

Fyidential be jend out to change the power.

Evidently he isn't out to change the power pyramid that much. He doesn't want to undo the system; he wants to make it work his way. These are heady times for Moscow, exciting and bewildering. On the one hand, important: changes seem to be coming. And on the other? They seem to be canceled out. The one thing sine is that Mr. Gorbachev is rocking the boat. How long the journey will be is far from clear.

The New York Timeston

Rough Going Ahead, but There's No Turning Back

P ARIS — The real question is not whether Mikhail Gorba-chev will "win" or "lose" in his attempt to bring reform to the Soviet Union. He cannot "win" on the terms actually set. The Soviet Union is most unlikely to become, in the foreseeable future, a "socialist state of law" with open and candid debate, truly democratic elections of its single-party leaders, in possession of a productive, efficient and competitive economy. On the other hand, it is already too late for Mr. Gorbachev to lose.

To win would require a transformation of the political and economic culture. Soviet political society has for 70 years been subject to the will, mood or caprice of corrupted power. The reactionary bureaucratic habits of the state antedate the Bol-shevik revolution. Reliance on police power and the threat of forced labor, censorship and internal exile was a characteristic of czarist society. Early in this century the czarist secret police actually controlled the terror-ist organization of a revolutionary party (the Socialist Revolutionar-ies) while it assassinated members of the czarist government.

A political culture can change, but

By William Pfaff

place within an envelope of inherited assumptions and expectations. Russia has never been a country of free and outspoken mass political partici-pation, respect for diversity, spontaneous action to assume responsibility and get things done - qualities which Mr. Gorbachev recommends. The country's economic difficul-

the country's contains untain-ties are equally hard to overcome. There are large practical obstacles. Managers today manage in igno-rance of their costs, cannot control their inputs and have always been compelled to make norm-fulfillment their priority rather than market saiisfaction. They usually have known deplorably little about their markets. The culture of the workplace is apathetic and irresponsible.
The special Communist Party con-

ference in session this week in Moscow nonetheless signals an end and a beginning for the U.S.R., even if it produces only talk without ultimate decisions. The Soviet Union cannot go back now to what it was before Mr. Gorbachev took office. The true questions concern what it

can become. These are impossible to answer. The Soviet Union has been

nomy have been brought into the open, and their consequences for ordinary citizens have been described by Mr. Gorbachev. The truth about the past is being told. However awkward-ly, so is the truth about the present.

These are formidable changes.
What has begun will continue. The specific reforms proposed by Mr. Gorbachev and his associates may be locked, but the generation which has come to power with Mr. Gorba-chev understands that there is no

alternative to change.

I hunched regularly in the early 1980s with a Soviet intelligence officer, and late in our professional acquaintance, not long before he was expelled from France for activities incompatible with his diplomatic sta-tus, I suggested to him that his nation must eventually fail if it went on being controlled by aged, ignorant and iso-lated men, blind to the competitive realities of the contemporary world,
He angoly replied: "My chief is 50
years old! We are going to take over
our country!" He had served in sev-

eral stations in the West. He was educated, intelligent, fully aware of how backward the U.S.S.R. really only over time. Change by evolution rocked out of Brezinevian apathy.
—sometimes by revolution — takes The absurdities and waste of the eco-

changing it. Mr. Gotbachev conceded as much in his introduction address to the special conference.

Boris Pasternak, wrote in "Dr.

Zhivago" that "it has often hap-pened in history that a lofty idea has degenerated into crude material-ism." He said that the revolutionary reforms of the Bolsheviks proved unsuccessful. "It was impos admit the error. To conceal the fail-ure people had to be cured, by every means of terrorism, of the habit of thinking and judging for them-selves, and forced to see what didn't exist, to assert the very opposite of what their eyes told them." Mikhail Gorbachev's success lies

in having changed that. Whether he reforms the state apparatus and the economy or not, he has broken in Pasternak's phrase, "the inhuman reign of the lie," "the spell of the dead letter." That had to be done. It was the indispensable step. With it done, the people of the Soviet Union are able to look to the future in a way which was not before possi-ble. What they will make of the future cannot be foreseen, but they now are dealing in truths, not lies and that is good for everyone.

International Herald Tribune. O Los Angeles Times Syndicate.

The Next President Will Have to Hire Better Help

WASHINGTON — Senator Sam Numi, musing on the latest Pentagon scandal, blamed at least part of it on the appointment of prejudiced and inexperienced officials. "The criteria for hiring people," he said, "was more related to ideology than it was to

management experience." As a self-proclaimed conservative, Mr. Nunn was not suggesting that the recent monkey business in the Defense Department was the work of conservative crooks. He was implying that if you hire compatible friends and salesmen to shell out billions in government contracts, you should not be

surprised if they wangle a little swag. In short, he was condemning not only the present system of awarding military contracts but the old "buddy system" which puts the decision in the hands of men who are government

officials one day, employees of arms

Honest Graft

Has Its Limits

By Jerry Knight

WASHINGTON — George Wash-ington Phinkitt, the late Tamma-

ny Hall semanticist, statesman and sleuzeball, invented the concept of

honest graft." The oxymoron is partic-

ularly useful in understanding this sum-

mer's scandals in Washington. Even

Mr. Punkits drew the line at blackmail

extortion and bribery. But he under-

stood that there were other ways to

make a buck from the public's business.

When a politically well connected entrepreneur finds out where a road or

park is going to be built and buys up the land in advance, Mr. Plunkitt once

explained, "Ain't it perfectly honest to charge a good price and make a profit

on my investment and foresight? Of

course it is. Well, that's honest graft,"

operated by Plunkitt's rule practically

went up to the hill and voted to buy

prototype of an honest graft opera-

tion, nothing but a batch of govern-

ment business flowing to a politically well connected company. But the pur-

pose of the Plunkitt rule was to teach

greedy politicians how to avoid going

too far. The Wedtech boys seem to

have missed that subtlety. When your

friends get the contract. Professor

Plunkitt taught, they're actually sup-

posed to deliver something, not go

The New York administration which

It may be, Mr. Num thinks, that the real scandal begins with the ap-pointment of people who are more concerned with self-interest than with the public interest. It has been going on for a long time; the difference now is merely that there is more money and

The question is not merely how Ronald Reagan is going to clean up the mess, but what George Bush or Michael Dukakis are going to do when they have to make thousands of new appointments between election day and the insuguration.

That is the critical period when the

new president, exhausted by the campaign, is likely to make the worst mis-takes. He then has to move his family,

By James Reston

temptation around the Pentagon.

merchants the next or consultants to prepare his speeches, study the urgent

sound people, but when confronted by a choice between "Meese or men," he chose Ed Meese. He put his old friend Bill Clark in the State Department as undersecretary, although Clark knew little of foreign affairs, and rewarded his failure there by making him director of the National Security Council. The president is working on his

ton's newest breed of villain, the Pen-tagon consultant. Oshkosh got its hig

order after it hired a retired general,

Richard E. Cavazos, to "consult" on doing business with the Pentagon.

about Pentagon consultants this sum-

mer. The procurement probe is a

scandal in search of an acronym, a

scam out to make a name for itself,

one for the books - a Teapor Dome

The Washington Post,

or Watergate in the making

We are going to be hearing a lot

kosh Truck Corporation to Marvin cians there never have learned the fine line between fortuitous and felonious.

Firm Wright could tiptoe down that Leath, the Texas Democrat, and a bunch of other House members. line blindfolded in a snowstorm. Ollie Oshkosh makes the Heavily Ex-Oshkosh makes the meavity expanded Mobility Tactical Truck, an eight-wheel, \$130,000 monster that looks like a Caterpillar earth mover crossed with a Suzuki Samurai. The army asked for 1,388 Oshkosh trucks North's paper shredder couldn't cover his tracks any better. It is going to take a special prosecutor's best blood-hounds to prove that Mr. Wright stepped over the line with his book. So his royalties are higher than any best-selling author's wildest dream. So the in its latest budget, but Representative Leath and cronies, after accepting book deal looks like a kickback from a their houest bribes, decided that what the army really needed was an Osh-kosh fleet of 4,737, b gosh.

The army should have no trouble finding uses for the extra trucks. If campaign printer. So his friends bought the book a thousand copies at a time and admit that they were doing it to channel cash to the speaker. So a government employee wrote most of it nothing else they can be assigned to on Uncle Sam's time. So don't hold National Guard units in the homeyour breath waiting for an indictment. towns of the congressmen who voted If anything, Jim Wright's book will to buy them, each with a driver and add a nuance to the meaning of "honcrew to carry the congressman to est bribe," which in Washington today floods, tornadoes, invasions and othhas replaced "honest graft" as the polier vote-getting events in the district. ticians' golden rule. Today's honest The Oshkosh case would be just bribe is the campaign contribution, honest-bribes-as-usual were it not for the appearance of one of Washing-

invented the modern cost overrun and made Tammany Hall synonymous with sleage. The Plunkin test remains a benchmark for judging politicians.

Look at the Wedtech case and try to decide how Attorney General Ed Meese and the others caught in that Bronx tarpit measure up to the standard of honest graft. How about the best-selling mystery book by Speaker Jim Wright? Or what about that patrol of politicians from a House Armed Services subcommittee who took \$2,000 campaign contributions at breakfast from a truck maker, then more trucks than the army wanted? Wedtech at one time looked like the the PAC payola that flows to every pol who has a vote worth buying. But it's an honest bribe unless the politicians are dumb enough to whisper into a hidden microphone that they're taking the money in return for last Thursday's vote. You can bet that the same keepers of the ethical flame who have blessed the honest bribe will use their fickle, flickering lantern to illuminate the propriety of Mr. Wright's book. bankrupt and get themselves indicted and you along with them. But Wed-techis a New York scandal, and politi-As for honest bribes, there is no better example than the \$2,000 bags of riding-around money paid by the Oshthem with the foolish promises be made in the campaign. In the hurry and strain of the transition, the new president is tempted to appoint his friends, who in turn hire their friends as assistants, although none of them may be as qualified as many others who are never considered. President Reagan appointed many

fifth director of the NSC, a record of

Oliver North got into the act, or why he ever appointed Don Regan as his chief of staff in the White House. Perhaps of equal importance, Mr. Reagan has done more to politicize his diplomatic and judicial appointments than any other president in memory. Like Jimmy Carter, he ran for president by condemning "Washington" and the bureaucrats for all past and

still doesn't know what Bill Casey.

was doing at the CIA during the Iran-

present troubles, and then after the election he found that the civil scrvants were his memory and he had to rely on the people be had condemned. This has, however, weakened the civil service in general and the foreign service in particular. One recent study of 365 seniors at George Bush's alma mater in New Haven found that only one expressed a preference for a civil service career. Even at that "Harvard boutique" which Mr. Bush accuses of wanting to dominate Mr. Dukakis only 16 percent of those who spent two years in the Kennedy School of Government during the last decade are now in the federal service.

There is no evidence that either Mr. Bush or Mr. Dukakis has established an organization capable of mounting a serious takent hunt for the coming administration. They condemn the Pentagon scandals, of course, and vow to remedy the system, but as usual they are leaving the appointment problem until after the election, when it will be too late for careful selection.

"We hope the next president will appreciate the value of continuity in American foreign policy," former Sec-retaries of State Henry Kissinger and Cyrus Vance recently wrote in Foreign Affairs. "We are convinced that the American national purpose must at some point be fixed. If it is redefined ... with every change of administra-tion, the United States risks becoming, a factor of inconstancy in the world."

The New York Times.

the stage for a real dialogue to replace the false starts of the Arafat era. The Washington Post.

100, 75 AND 50 YEARS AGO

1888: A Wagner Debut

MUNICH - The first opera ever written by the late Richard Wagner, entitled "Die Feen" (The Fairies), the manuscript of which was found among the papers of the unfortunate King Ludwig of Bavaria, was performed here [on June 29] for the first time. Wagner wrote this work in-1834, when he was in his twenty-first year. He seems never to have thought of having it performed, although in 1866 be dedicated it to King Ludwig. It is a romantic opera, and the character of the music wavers between the Italian and the German school of that period. The work contains germs of many later effects.

1913: U.S. Heat Wave

NEW YORK - Millions of people in the Middle West are suffering severely from the effects of excessive heat. In Kansas and Missouri, the thermometer registers 37.8 degrees centigrade (100 degrees Fahrenheit).

Chicago is counting victims of he prostration by hundreds. Vario charity organizations in that city s distributing free ice throughout t poorer quarters, while the beaches lakeside resorts are crowded with hausted multitudes, which for the lan two nights have sought sleep in th open near the shores. The Govern ment Weather Bureau in Washingto sees no immediate prospect of relie

1938: Death for Spying PARIS — A French government of cree yesterday [June 29] instituted the

death penalty for espionage in peac time. Capital punishment has hither to been taken in spy cases only in wa time. Revision of the penal code at thorizes the government to designa special courts to try espionage disc The step was taken, according to the edict, because of progressive is crease of espionage in recent year Germany, Italy, Poland, Czechosli vakia and Roumania already punic peace-time espionage by death.

OPINION

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tar tar - un in dringer LANGE SHOW IN COLUMN Millette wife the party. urning Back

drawe a life was ... Betere Paster 124 Three age that Marie Carte and Co. the second of the second thinking and out States in gradual 121.

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in footnotes in future books. That has been the other government-organized

I Was to be the of Carton S

ush: What It's Called Is a Smear Campaign aste in people I respect tell me private George Bush is sensitive insiderate. Why, then, is his cambig style so sophomoric?

It is patronizing treatment of the period of

cked a little ass last night," whisneman on the morrow after his with Mrs. Ferraro, taking care to heard by reporters.

was patently calculated. But nes Mr. Bush's problem seems a f syntactical impairment. In the ampaign he grossly caricatured Valter Mondale and Mrs. Ferraro d about the bombing of the U.S. barracks in Beirut. They had apuely questioned the vigilance and ant of the marines civilian and y superiors. Mr. Bush characternew as being that the marines shame," a puzzling phrase that By Edwin M. Yoder Jr.

people who speak plain English would hardly say even if they wanted to say it.

When challenged, he retreated into whining. He hauled an American Heritage dictionary to a press conference and with its help tried to prove that the word "shame" had acquired a meaning no one else had ever heard of. What it boiled down to was that Mr. Bush had put vile words into the mouths of bonorable opponents, had been caught at it, and refused to retract.

His casual exploitation of the issue of state prison furloughs against Michael Dukakis is in the same pattern. He con-tinues to tax Mr. Dukakis with the Willie Horton case. Horton, a convicted murderer released under the Massachusetts furlough system, committed rape and as-sault. Everyone (including Mr. Dukakis, who signed a law tightening the furlough system after the incident) agrees that the

Mr. Bush is using it to try to show that Mr. Dukakis would be delighted to let dangerous convicts roam the streets.

Occasional blunders like the Horton furlough are the price of any exercise of discretion and judgment in a prison sys-tem. If Mr. Bush had ever held high administrative office, he would know that. The Horton case certainly does not make prison furloughs or other alterna-tives to incarceration bad ideas or, indeed, any less necessities. Every time Mr. Bush dusts off one of his stilted tough-oncriminals speeches, he increases the public pressure on an already overpopulated prison system. The American people are in a jailing mood, but not in a mood to

vote taxes to pay for more prison space.

The result is that to avoid conditions resembling those on 18th century prison ships, state parole officers and prison

when judges get into the act, no legal one Horton case was a grave aberration. Yet either) except to free or furlough old prisoners as new ones flood in. Some mistakes are inevitably made - and the more people you cram into crowded jails and prisons, as Mr. Bush seems to wish, the more inevitable the mistakes will be. He wants to sound like a tough guy, but he merely exposes his ignorance of the gritty problems that judges, prison wardens and parole officials face every day

everywhere in the country.

"So I'm opposed to these unsupervised weekend furloughs for first degree murderers who ... are not eligible for parole," Mr. Bush said the other day as the National Sheriffs Association convention. Well, big deal; so is most every other rational person, including, no doubt, Michael Dukakis.

Behind all the careful hedging, Mr. Bush is simply conducting a smear cam-paign. It may be, as he claims, based in fact, but he uses facts the way drunks drive cars. America doesn't have a queen's English but it does have a president's rhet-oric, and one wonders what it would be like with Mr. Bush in the White House.

The vice president once parried a question about a searing column about him by asking "Have you ever seen George Will? He'll never play linebacker." He seems to think that the merit of opinions depends on the size of those who hold them. As a tall man, he often assumes the license to stretch facts to his own measure.

But the vice president is not without a rhetorical conscience. Accosted by re-porters after his latest exploitation of the Horton case, he said, "God strike me down if I'm not telling the truth."

If I were God, which fortunately for

Mr. Bush I am not, I'd have parted his hair at that point with a low voltage bolt of lightning or two — just to remind him that one of the principal rules is the rule against false witness.

Washington Post Writers Group.

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Eggs and Sausage, and Not Much Truth for Ruth

UFKIN, Texas — At the coffee shop, Le over a hreakfast of eggs and sausage. Just what the doctor ordered, if the doctor needs the business ...

هكذاصن المومل

Reading the morning paper, pondering the guilt or innocence of Speaker Jim Wright, who often appears to be speaking out of both sides of his mouth ...

Listening to the talk at the next table wondering if Ruth the Waitress will find somebody she can trust to fix her car ... Columnist George Will says in the pa-per that Mr. Wright may have written, "or caused to be assembled," more books (five) than he has read. I laugh to myself.

Ruth, warming up the coffee for a table full of good of boys, is entreating them for the name of an honest mechanic. "C'mon, tell me the truth," she begs,

"You want the truth, Ruth?" someone says in sing-song voice, Everybody laughs, Jim Wright definitely has a problem. It's not so much the \$55,000 he made from a book that he had a government

employee help put together for him. Never mind, either, that the deal smacks of a kickback from his Fort Worth publisher, a fellow Mr. Wright has paid hundreds of thousands of dollars for campaign material over the years.

By Joe Murray

Mr. Wright's problem is that he smiles but he charges about \$30 more. "He'll do it right, though," one of the of boys when he talks, which gives him the coun-tenance of a snake oil salesman, That's mainly, though, when he's on TV, t was one of a bunch of editors who cut corners on a valve job."

Another of the of bows tooks up from his coffee. "Hail, I thought we've been talking all this time about a meffer job."

He plucks at his lower lip with his thumb met with him for breakfast at the Capitol

MEANWHILE

in Washington last month. He came across much better in person. The eggs at best disregard all of what I advised you." the speaker's dining room, however, can't compare to what I get at the coffee shop.)
Ruth the Waitress's problem is that she needs her car fixed right, and right away.
"I can't do without it more than two days," she tells the table of ol' boys. "Is

there anybody who can fix it that quick?"
"You want the truth, Ruth," somebody says again, and everybody laughs. The big question is whether the House Ethics Committee (1 know it's contradictory, but that's what they call themselves) decides to have an in-house investigation or to appoint a special prosecutor. The difference is that of being licked by a

The difference for Ruth the Waitress is

puppy or sniffed over by a pit bull.

Everybody laughs out loud, except for Ruth the Waitress, "C'mon, boys," she pleads, "Tell me the tr—"

\$30. There is a fellow who indeed can

have her car back to her injust two days.

assures her. "Besides, you don't want to

and forelinger, thoughtfully. "Ruth, you

It's at this point that I interrupt. What dn you boys think about of Jim Wright? Think he's lying or being hed about?"

"Hard to say," one fellow speculates, and the others nod. "But seeing as how he's from Texas, I'll give him the benefit of telling the truth—" (he pauses to puff on his eigarette)"—about half the rime."

Everybody laughs, Me. 100 Everybody laughs. Me, too.

I wanted to say something else, some-thing like, "You heard the truth, Ruth." But I was afraid to, afraid everybody wouldn't laugh. Some people can tell coffee shop jokes. Some people can't. Cox News Service.

Not the Way Parents Should Grow Old EW YORK - My father has an

organic brain disease. It is Par-on's disease, and in his case it has to the additional trauma of Paronian dementia. He is in and out ality. At times, he is as clever as be — until he sees snakes or stanons or trucks in his room. by mother and I could no longer dle him at home. He required sical assistance for every move, his hehavior became too unpresable. At home, he never slept and her did we: He also suffers from

arrowing of his spinal column, ch pinches the nerves in his hack : leaves him unable to find a painposition in bed. o we brought him to the bospital, are he stayed for seven weeks, until utilization review board decided he no longer needed hospital care.

e je put him in a nursing home, recnended as top of the line, with one sing aide for every 15 patients (if yone shows up for work). He canBy Carolyn Kazdin

not feed himself or get to and from the bathroom. One nurse's aide with 15 patients cannot attend to his needs.

So my mother spends seven to eight hours each day at the mursing home. My father cries, yells and does all that he knows to keep her there. He thinks he is home and cannot understand why she leaves him each evening. He thinks she has other men. He tells my mother that she is bor-

ing a hole in his heart. She cries. The nursing home costs \$45,000 per year. My father is lncky; unlike most Americans, he has a decent union pension. But his pension, added to his Social Security payment, puts him over the income eligibility level for Medicaid in Florida. Not only is he disqualified from receiving these government health care benefits, his insurance pays only for

claims certified by Medicaid. None of the diseases which affliet

my father are fatal. He is 69 years old, and both his parents lived to be 90. My family could be spending \$45,000 a year for the next 20 years. It's money we don't have.

My mother is heartsiek. They

worked and saved and bought insurance all their lives so that they could grow old in peace. Now she doesn't know how she will live, let alone how to take care of him. A lawyer suggested to my mother

that she divorce my father. Yet she is the one who feeds him, cleans him and loves him. After 48 years of marriage, she is being counseled to divorce him so that she can keep some funds away from the nursing home. We think about canceling his pen-

sion, but then neither of them would bave any income Growing old in America.

The writer is deputy manager for labor and farm issues for Jesse Jackson's presidential campaign. She contributed this comment to The New York Times.

LETTERS TO THE EDITOR

Security Council Should Think Again A Slur on Russians

ding "Gulf War: A Face-Saving UN Formula to Bring Iran " a" (Opinion, June 22) by Anthony Parsons:

ting the ozone layer. Unfor- minorities around the world ...

inblicly his critical evaluation to toe the Iraqi line. fire in the Iran-Iraq war. In s to achieve a cease-fire but i any honorable way out of

rqi government and its unfor-

... ope and Ozone

: dy, this is not the case.

recent EC decision referred

Mr. Brinkhorst still aims at

ltaneous" ratification by all

mber countries. This repre-

- recisely the potential for de-

. at I warned of in my June 18

en column, "A Double Threat

Ozone Treaty," because such

3C members as West Germa-

ers before they could ratify.

cover, non-European coun-

which may be wavering in

own decision would be en-

jed to join if these large pro-

; countries were to ratify

he European Community

o pull off its proposed un-

lented simultaneous adhe-

efore Dec. 31, the protocol

of enter into force, and the ean Commission will bear a

'IARD ELLIOT BENEDICK.

writer was chief U.S. negotia-

sponse to "Tracing Holocaust

y is properly concerned that olocaust will be "revised," ivialized and ulumately for-

by future generations, only

h, and against the South

can Indians by the Spanish;

ling and forced suicides of

as by the Christians and vice

included should be the

against Armenians, Russians

ed by many more references

· under of innocent people, it

ned people and establish

Chinese. The list could be more for their own defense?"

ecent mass murder of Paki-doing nothing at an army base is a

by Indians, or of Bangla-

join forces with all other ers put in to support the alliance?

bigenses by their fellow me-French: the slaughters of

luring the Crusades.

ory to Remember

mism" (June 23):

Washington.

rather than later.

responsibility.

- itam. France and Italy would o wait for the last of the 12

Parsons is to be commended tunate Iranian collaborators, who

ght it is clear that the Securiuncil's unfair action in this
gitimate claims of the Iranian peo
The clear inference is that that the Security Council will at Hitler and Marx in particular. also evident that those who least attempt to enact some of the Both wars which, according to

M MOCHADAM London.

A. R. PERRIN.

England Isn't Britain

ish) fans were held responsible.

ars ago in Brussels.

nent and have never been banned. R. MENCNAROWSKI.

FABRICE N. GEORIS.

Monte Carlo.

Regarding "A Holier Russia May Not Be Good News" (June 13):

I was shocked by the suggestion iving the moral courage to have no alternative but to continue by Peregrine Worsthorne, of The Security Council Resolution For the purposes of establishing a a revived Orthodox Christianity in which aimed to establish a cease-fire, it is important that the the Soviet Union may be more daninternational community offer some gerous to the world than the Com-

I not only has complicated ple. Recent or further Iranian mili- Russians, or perhaps the Slavs as a tary setbacks will not erase the whole, are evil and aggressive by otherwise would have wel. Resolution 598. For the sake of repressed the better for the world. peace and justice, it is to be boped This we have beard before, from

ope to gain advantage from suggestions made by Mr. Parsons. Mr. Worsthorne, the Russian Ororate the holocaust perpetrated by the English against the Aborigines rens Jan Brinkhorst's letter of Australia and the Maoris of New 21) might leave readers with Zealand, and all the other "footipression that the 12-nation notes" of murder by governments in can Community has already our rich history. Not to mention d the Montreal protocol on mass discrimination against weak

> secuted by that very communism. As to "neo-religious, patriotic, Slavophile emotions," their chief advocates - Dimitri Likhachev Alexander Solzhenitsyn, Valentin Rasputin, Viktor Astafyev - are Regarding "Thatcher Takes Aim at U.K. Soccer Hooligans" (June 17): primarily concerned with spiritual and moral issues. They have repeatedly condemned repression of non-Professional English (not British) Russian nations in the Soviet soccer teams were banned from European play three years ago, after
> 39 persons were crushed to death in cultural autonomy. They have cotia riot for which English (not Brit- cized the invasion of Afghanistan and have called upon the Russians

> front-page report, the term "Brit-ish" is misused in connection with Moreover, Mr. Worsthorne is the behavior of a certain element of soccer supporters in West Germany earlier this month, and three Why the fuss? Because Scotland. England, Wales and Northern Ire- lic Church, it has always been land, although under one government, are distinct countries. Their chically very weak; only sobors, or

> have the supreme power.
>
> 11 is precisely because of this national team is composed solely of players of English nationality. If a player from Wales joins a national team he joins the Welsh national most instances to stand up to centeam, not the English.
>
> Scotland has had its hooligan problems at football matches in the past; the problem was tackled by the football clubs and the Scottish Football Association. And Scottish fans abroad do not indulge in the behavior of their English counterparts. Scottish clubs are not hanned from playing on the Conti-

> hear the liturgy in the not entirely comprehensible Old Slavonic. A Soldier's Plaint In response to the editorial "Real Changes in NATO" (June 17): Every year 40.000 young men are drafted to serve 12 months in the

Belgian armed forces. As one of recent genocidal attacks by them. I resent the current attitude 19th century to compete with Islamthat prevails among American poliic schools that taught only in Arabic Ukrainians, and Japanese ticians of "Why won't the allies pay In contrast, as the Soviet press has recently admitted, the Soviet gov-My pay of \$4 a day may indeed ernment has deprived the large Tathey would not strike the not enable me to contribute much tar population of Moscow of all y chords of daily newspaper to the Belgian military hudget. schools in the native language. who can't remember the However, wasting a year of my life So where is the chanvinism and

Cologne.

Sunday Telegraph in London, that

The clear inference is that the iss infinitiated most frantans." fundamental omissions that exist in nature; and so the more they are

> thodox Church helped the Russians to win - the Napoleonic one of 1812 and the one against Hitler were defensive wars in the course of which the Russians not only defended themselves from aggression but also liberated the rest of Europe from those two dictators. The defeat of Hitler helped the spread of communism, but that was no fault of the Russian soldiers in the trenches, nor of the church per-

Consistently throughout this to put their own house in order

quite wrong to write that the Rus-sian Orthodox Church "has never been in the least democratie or pacific." In contrast to the authoritar ian structure of the Roman Cathorelatively decentralized and hierar soccer teams are drawn from within elected ecclesiastic assemblies, their own boundaries. The English

> tralized anthoritarian states. The Orthodox Church has never supported chauvinism, although indi vidual members may have done so. Let me point out, as an illustration, that on the eve of the Bolshevik revolution in the ethnically mixed diocese of Kazan (on the Volga River) alone, the Orthodox liturgy was celebrated in almost 20 languages — in the languages of all tribes inhabiting the diocese, ex-cept Russian. The Russians had to

It was the Russian Orthodox mis sionaries who created alphabets and the biterary languages of most tribes of Siberia and of the three main tribes of Alaska. They also created the Tatar literary language and opened secular Tatar schools in the

aggression of the Orthodox Church? D. POSPIELOVSKY.

by Pakistanis.

Tanized Jewry intends to feel the same frustrations. Do you think we should be sorry for the The writer, a professor of Russian history at the University of Western few extra dollars that U.S. taxpay-Ontario, is currently a visiting fellow at the German Federal Institute for East European Studies.



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Chicago May Return **Ancient Thai Lintel**

TOPICS

Thai art experts say they are hopeful that the Art Institute of Chicago will soon return an ancient temple sculpture allegedly stolen and smuggled out of Thailand in the early 1960s, Michael Richardson of the Inter-national Herald Tribune reports. The nintb-century sandstone lintel depicts the Hindu god Vishnu reclining on

Until recently, the institute maintained that there was no evidence that the sculpture was stolen. However, Subradradis Diskul, a leading Thai art histo-rian, said he had been invited to Chicago for talks next week. He said the institute had indicated that it was ready to accept a revolving loan of other Thai art objects in exchange for the priceless lintel.

Dogs Still on Menu For South Koreans

A South Korean government campaign to discourage the eating of man's best friend, in response to foreign criticism as the Olympic Games approach. is having mixed results at best. During the authoritarian ad-ministration of the previous president, Chun Doo Hwan. ground, although they did not stop. But since Rob Tae Woo succeeded Mr. Chun in February, the country bas been swept by a wave of nationalism and a democratic spirit that has made the ban difficult to enforce, an-

alysts say. The Health Ministry says 109 people have been arrested this year for selling dog meat, which carries a maximum fine of a million won (\$1,380) and a year in prison. But in Seoul's mar-

By Michael R. Gordon

New York Times Service
WASHINGTON — The United

States and the Soviet Union have

exchanged information about the

size of some of their nuclear tests,

U.S. officials said.



TOBACCO PROTEST — South Korean tobacco farmers demonstrate in the capital arging people not to buy imported cigarettes. The Seoul government recently agreed to open the domestic market to imported tobacco after coming under strong pressure from the United States.

trapped offender is fined a

kets, hundreds of dogs are on sale, and not as pets. Dog costs several times as much as beef. Those who eat it say it increases

Around Asia

All the tea in China is not enough for a growing number of its citizens, who are turning to coffee, the China Daily reports. An agriculture ministry spokesman said the Chinese consume 21,000 tons of coffee a year, mostly imported. He said China is seeking foreign investment to start its own coffee plantations. Coffee is especially popular among sophisticated urbanites.

In a campaign to stamp out urinating in elevators, Singa-pore is equipping them with a sensor that detects a chemical in urine, activates a video camera, jams the lift between floors and sets off an alarm. The

U.S. and Soviets Exchange Nuclear Data

maximum 2,000 Singapore dol-lars (\$1,000). In another facet of the city's self-improvement campaign, its largest taxi network says drivers spreading "malicious rumors" will be pe-nalized. A spokesman for NTUC-Comfort said other grounds for demerit points include not being on the road long enough during the day, giving bad service or not turning up to collect a passenger accepting a booking. He

said a driver accumulating 12

demerit points in 12 months

chief U.S. representative at the Ge-kiloton is equal to the explosive disputed Soviet radar facility, neva arms control talks, in testimo-force of 1.000 tons of TNT.

Some officials in the Defense

would face expulsion. In the Japanese fiscal year that ended March 31, undeclared income discovered through routine checks by the National Tax Administration reached 67.5 billion yen (\$519 million), a postwar record. The check covered only 243 corporations and individuals. The amount of tax evaded also

yen, 25 percent over the previous year. Under Japan's tax system, merchants and the self-employed are able to avoid reporting much of their income while salaried workers cannot.

Tie a vellow ribbon 'round the

reached a record: 46.9 billion

old oak tree. Tie it anywhere, in fact, except on Corazon C. Aquino, Reuters reports from Manila. The Philippine presi-dent says she has had enough of the color that was the symbol of her rise to power. The color, from the song about exile, was a theme of Mrs. Aquino's late husband, Benigno. Her political campaigns have featured yellow es, yellow ribbons, yellow T-shirts on pro-Aquino youths, yellow posters. But on Sunday Mrs. Aquino said, "I have grown tired of it." Her friends say her favorite color is fuchsia.

Arthur Highee

Some officials in the Defense

Airlines Cautious on New Technology

By Barnaby J. Feder New York Times Service

NEW YORK -The Air France A-320, built by the European consortium Airbus Industrie, is the first aircraft designed for traditional commercial operations to rely mainly on electronic commands sent via electrical wiring to control the airplane.

Traditionally, pilots have used a large wheel or control stick, which the pilot grasps like the steering wheel in an antomobile, to manipulate cables that physically start and stop such devices as motors and pumps. These devices move the me-chanical systems that control flight, the rudder, for example, or the ailerons and flaps on the wings.

By contrast, the pilot in an A-320 flies the plane with a controller that resembles the joystick for a computer game. It is known as a "sides-tick" because it is mounted at the pilot's side where it will not interfere with the view of display panels. Movements of the stick send elec-trical signals to computers that translate them into commands for the aircraft's moving parts.

Aircraft engineers said the pilots union will have a tough time supporting its claims. The Airbus controls are new to general commercial aviation but hardly a hlind leap into the technological unknown. They are closely related to the controls widely used in military air-

Similar controls have also been used for 19 years on the Concorde, the only commercial aircraft designed to fly faster than the speed of sound. And French government investigators said Tuesday that their initial conclusion was that none of the A-320's systems had

malfunctioned.

As a result, the airplane builders expected development efforts to continue on control systems like the A-320's. Boeing Co., for in-stance, said it is leaning toward fly-by-wire for its next airplane. And McDonnell Douglas Corp., anothor U.S. company, said it might fa-vor fly-by-wire if it were designing an airplane from scratch. Aircraft design engineers said that the all-

COURT:

Investigations

(Continued from Page 1)

most important opinions this court

has issued in many years."
Other Supreme Court rulings

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electric approach offers weight sav-ings as well as lower assembly and turned long ago to fly-by-wire

maintenance costs. "Fly-by-wire saves hundreds of pounds and is much easier to install when you are building the plane," said Peter Sutcliffe, chief engineer for advanced technology in Boeing's commercial aircraft divi-

Mr. Sutcliffe said that wiring could simply be laid along a path while steel cabling had to be installed with close attention to details that affect its performance, such as tension and alignment to the device being controlled. That process, known as rigging, has to be redone whenever parts must be removed in servicing a plane.

The biggest advantage of fly-by-wire is that the electrical network is ideally suited for the use of computers. Planes under computer control can respond more quickly to turbulence and other changes in flying conditions. Computers can also be programmed to see to it that a plane is never forced into a ma-

mands placed on supersonic aircraft like the Concorde and

military planes.

Despite the advantages of electronic controls, commercial aircraft manufacturers and their customers have been moving the following year to parts of the Amology. The control systems based on cables and hydraulic lines are or cables and hydraulic lines are or cables and hydraulic lines are the following year to parts of the Amology. The control systems based or cables and hydraulic lines are the communicate with the electronic controls on the Frant & Whitney familiar controls used by the line. tomers have been moving familiar controls used by the bicycle and automobile manufacturers who pioneered in aviation. Aircraft manufacturers noted

that their customers' primary con-cern is that travelers have absolute

confidence in the safety of the airditional control systems, the airlines are interested in the potential advantages of Hy-by-wire but in no mood to rush toward it.

turned long ago to fly by wire locknology to meet the exceptional delems occurred.

Nevertheless, the commercial sector's transition is well under way. Airbus began in 1983 to use fly-by-wire to control some of the flaps and spoilers that maneuver its A-110 and applied the technology

More important, perhaps, the More important persons in such automatic pilot systems in such widely used aircraft as the Boeing 747. McDonnell Douglas Corp.'s DC-10 and Lockheed Corp.'s Tristar are, in essence, skeletal fly-by-wire systems that operate parallel plane's control system. Having ex. we systems man operate plane's control systems with man to or as part of traditional cable and hydraulic systems.

The new technology however. requires extensive backup systems in no mood to rush toward it.

"It took a lot of learning and a that runs them, and the wiring itlot of people ejected from planes to self. For example, the electrical netneuver it is not designed to handle, such as a turn so sharp that it would crack an aircraft's body.

Such capabilities are a major rea
such as a turn so sharp that it would crack an aircraft's body.

Such capabilities are a major rea
such capabilities are a major rea-

AIRBUS: Pilots Fear Rush to Judgment About Crash.

(Continued from page, 1) shows has nothing to do with a pilot's job.'

Maurice Cherret, a pilot on the larger A-300 Airbus and president of the national union of navigation personnel, said it would be premature to blame the pilot nntil the exact results of the hlack box investigation bave been released. He said the flight recorder would bear out Mr. Hasseline's contention that the engines responded slowly to the throttle command.

"There is no delay at all in send-computers used to fly the plane and was similar to those in service on other aircraft, including the Boeing 157 and Concorde.

"The A-320 is an easier plane to 157. The A-320 is an easier plane to 158. The A-320 is an easier plane to 158 larger A-300 Airbus and president

throttle command. "In fact, what he is saving is that he had to repeat the command, losing a vital two or three seconds,"
Mr. Cherret said. "This would not
have mattered in normal flight, but it made all the difference in abnormal circumstances such as these. I am not saying there is anything wrong with the plane. But it is pro-grammed to take off from one airport, climb to cruising beight and land at another, not to do what it

was doing on Sunday." Mr. Cherret's union is the only one to have signed a contract with the French domestic carrier Air In-ter to fly the A-320 with a crew of

He said the French civil aviation directorate had not invited his union to give evidence at the inquiry into the crash, nor had it made available the readings from the black box that would support the ers are guilty of illegal discrimina-tion. In an important civil rights pilot's contention.

"It is not the FAA," he said, vote, expanded the way employees referring to the U.S. regulatory ancan use statistical evidence to prove thority. "It is very hierarchical, very much under the control of the The court ruled that Clara Watson, a former bank employee in
Fort Worth, Texas, improperly was
barred from using statistics.

marketing and research arm of the four-nation consortium that huilds the jet, rejected the notion that the civil aviation directorate was under any kind of pressure to hold back negative information concerning "The result of the investigation

has to stand up to the eyes of the world." said a company spokes-man, Paul Bond. "If there was a real problem with the aircraft, that would have been apparent immediately. The preliminary investigation not only by the French but by the British Civil Aviation Author-ity indicated that there is no reason for grounding the A-320."

Experts at Airbus challenged Mr. Hasseline's assertion that the engines were slow to respond.

"That's patently untrue, because overnment may give money to re- you only have to watch the video

SMOKE: Fighting Back

(Continued from Page 1) the bill to ban tobacco advertising

promotion, said: "They say they make a contribution of \$1 trillion to the economy, but let me tell you what else they do. We spend \$4 billion a year on excess Medicare payments because of smoking-related illnesses. Americans pay \$23 billion in extra insurance premium each year because of smoking. And we lose \$40 billion to \$50 billion a year in productivity for the same Philip Morris U.S.A. is owned by

the Philip Morris Cos., which is the nation's second-largest advertiser after Procter & Gambie. Last year Philip Morris spent \$1.3 hillion on advertising.
Advertisements are scheduled to

RENTERIA, Spain — Miguel Advertisements are scheduled to Arrastia Aguirre, 28, a suspected run in magazines ranging from member of the Basque separatist Business Week to The Atlantic to group ETA, jumped to his death Motor Trend to Sporting News. from his apartment building early They will cite the number of cars Wednesday shortly after Civil and video cassette recorders owned Guard officers sought to arrest by smokers and the frequency with him, the Guipizcoa Province governor's office said.

recording of the aircraft at the air or seven seconds to accelerate from

accelerating. Gordon Corps, an He added that the throttle system was entirely separate from the computers used to fly the plane and

show and you can hear the engines idling speed to full thrust."

SOVIET: Glasnost Under Attack

speakers complained vigorously of estroika. abuses of the power of glasnost, who briefed reporters.

Ogonyok has been at the forefront quality.

of the glasnost moscopent; with. But Georgi A. Arbaicot head of searing attacks of Standard other the Institute on the 198 and Canazarposes, was critically by theme, da said he totally insageted with Sklyarov said. At one point Mr. Aba catcalls of "Ogonyok! Ogonyok!" dispatch. came from the floor, according to

of Mr. Gorbachev's strongest back- guilty of bribe-taking. ers, Mr. Korotich was due to ap-

(Continued from page 1) pear before the press Wednesday and the atmosphere was one of night but canceled at his appear

Unusually lively for a Soviet an Other speakers attacked liberal dience, the delegates on Tuesday publications for publishing materijeered the Moscow party leader, at that was inaccurate, or exagger-lev Zaikov, off the podium for ated, Mr. Sklyrarov said, adding being too long-winded and self-serving and on Wednesday they cut. another delegate's speech short by Sovremennik were attacked, but the same method.

In another spirited exchange. Arguments over the pace of Mr.

In another spirited exchange. Arguments over the pace of Mr. Mr. Gorbachev and a leading Sovi-Gorbachev's economic reform et actor. Mikhail Ulyanov — a campaign centered around a strong Gorbachev backer — pub—speech held tuesday by Leonid licly exchanged views on some of Abalkin, a leading economist and the leader's policies and proposals. During the session a number of of economic reconstruction, or per-

Mr. Abalkin said that that peresaccording to Yuri Sklyarov, the troika has produced few concrete head of the Propaganda Depart-results due to opposition and he ment of the Central Committee, complained that the economic reforms suffer because results are still Mr. Korotich, whose weekly measured by quantity rather than

The conference ordered a com-

mission to probe allegations that A delegate and by reputation one some of the delegates are criminal

As Gorbachev Emphasizes Rights, Police Round Up Demonstrators

MOSCOW - Hours after Mikhail S. Gorbachev said that Soviet citizens should be able to express their opinions freely, the police broke up two demonstrations in Moscow, in scenes reminiscent of traditional Soviet intolerance.

Protesters shouted "Homeland!" Tuesday as 200 Crimean Tatars gathered to demand that their people be allowed to return to their homeland in the Crimea, from which they were exiled in 1944. The police moved in twice to drag off protesters, taking them away in

In Pushkin Square, the police arrested seven members of a group called the Democratic Union, witnesses said. That group advocates a multi-party system and an end to Soviet military presence in Eastern Europe. Participants said that the seven had been fined, jailed or summoned to court. The fate of the Tatars was unknown.

Before the demonstrations, Mr. Gorbachev told the first nation wide Communist Party conference in 47 years that the civil rights of Soviet citizens needed to be better respected.

BALANCE: Caution on Reform

tion for ethnic tension, and dropped an earlier proposal for mandatory retirement party officials.

Each statement of this character seemed to appeal to the delegates, On the other hand, Mr. Gorba chev made some sweeping proposals, including one to have the Soviet president elected by a new parliamentary body and given broader powers

Western diplomats and some So-viet officials said that Mr. Gorba-chev's outline seemed to put him in a position to replace Mr. Gromyko, 79 and likely to retire soon. One of Mr. Gorbachev's most

important new plans was originally. designed to shift more power to local non-party governing bodies, known as soviets, and to establish a stricter separation of powers between the party and state.

But in an apparent last-minute compromise, a provision was added to make the first secretaries of local party committees the heads of, the newly strengthened soviets. Western analysts here said this. would weaken the concept. Applause from the delegates

Helms Undergoes Surgery

WASHINGTON -Senator Jes-Senate Foreign Relations Commit-

Monday and is recovering

either formalistic or conservative statements, for example when he praised the service of Soviet troops in the war in Afghanistan. When he suggested that elected officials be proponents of perestroika, some delegates elapped but

others did not. The loudest ap-plause seemed to come when Mr. Gorbachev promised not to carry out a large-scale replacement of party officials. Besides providing a forum for dehate, the party conference

should also bring fresh insights into Soviet politics. With Mr. Gorbachev's speech nationally televised and other speeches to be published in the official media, the public will have a chance to see policy in the

How long the declared truce Tuesday between Mr. Gorbache and the delegates will last is in clear.

Departing at one point from the carefully crafted speech that we approved last week by the party Politburo, Mr. Gorbachev ma have let his strongest (celings sho Looking out over the audience, complained of laziness among pr vincial officials.

proposals to increase the power the local soviets, he said, becau "it makes more work for them." As soon as Mr. Gorbaci stepped down, the arguments ov

Some of the officials objected

se Helms of North Carolina, 66, the his reforms started. Rising to 1 ranking Republican member of the podium, a factory manager said approved of the economic reform tee, underwent prostate surgery on but objected to the fact that the sometimes led to the closing of a



TechnologyQuaree.s

Computer Camps Square Off n Battle for Operating System

By John Burgess

n New Technolo

EW YORK — It was a sight that no one in the world computer industry was quite prepared for: the chief execotives of two giant companies known and enemies, standing on a stage together, ing, talking of fabulous gains for customers ay ahead due to their action that day, the g of corporate arms to form a \$90 million ational research organization called the

ational research organization cause.

Software Foundation.

Software Foundation.

F. Akers of International Business Mascorp, and Kenneth H. Olsen of Digital ment Corp. were joined by the chiefs or executives from five other major U.S. and ean computer companies at the New York ing last month. Each sounded the theme he foundation would help give the world are that was "open," that could be used on different makes of machines, rather than tied as most of today's is to particular of herdrays.

s of hardware.

ce the computer industry's earliest days,
have been forced to waste immeasurable

of money because one maker's machines are
ally incompatible with another's. Software
shave delayed developing new packages
so they could sell them only to people using

s have delayed developing new packages se they could sell them only to people using rand of equipment. For years, users endured may come and more are clamoring for son standards in such fields as software, user languages and oetworks.

Its elaborately staged unveiling in New York

alists in Europe asked questions through a adio link), the foundation portrayed itself as iswer to a good deal of the software probbut not everyone was so sure.

one thing, many of the companies at its had grown powerful by keeping their ma-

Companies have grown powerful by keeping their machines incompatible

with others.

chines incompatible with others, thereby locking customers into their brands. And absent from the stage was another important group of computer makers, led by American Telephone & Telegraph Co., that has begun its own effort to standardize. With the launching of the foundation, the world computer industry had formally split into two camps, raising the possibility that balkanization would be prolonged, not shortened.

At issue is a computer operating system known

tion would be prolonged, not shortened.

At issue is a computer operating system known as UNIX. Key to the efficiency of any machine, an operating system is a complex set of instructions by which a particular piece of applications software, a word-processing program, for instance, is run. Some, like UNIX, are available to any company that page the processory license for

any company that pays the necessary license fee.
Others are proprietary, that is, in use only in the
machines of the company that invented them.
UNIX holds a special place in the industry
annals, Few people who have used it feel nentral

about it. Patched together in the late 1960s in AT&T's Bell Laboratories for in-house use by the old Bell telephotic monopoly, it was known for versatility. It worked in computers that had many simultaneous users and, most important, on many different types of machines.

S YEARS passed, AT&T licensed it out extensively (the company at the time was barred by the courts from entering the computer business directly). Many companies that obtained it put their own software people to work modifying it and relicensed it. As a result, today there are by some counts 20 or more versions of UNIX in circulation, many of them incompatible with each other.

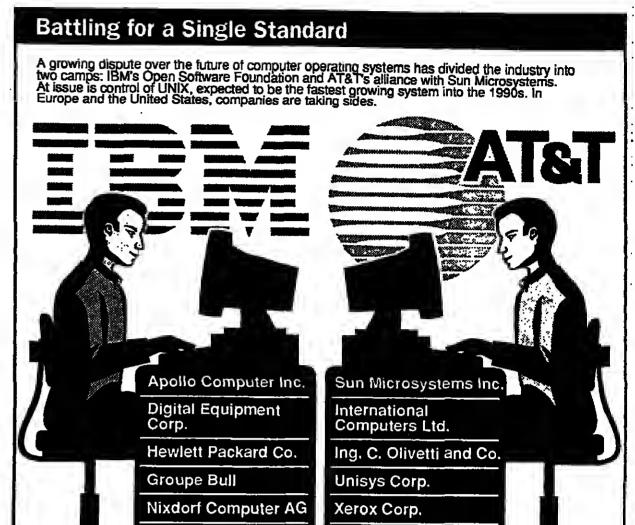
In 1984, AT&T spun off its telephone operating companies to settle an anti-trust suit. It saw a bright future for itself in its new slimmed-down form, however, because the deal also lifted the restraints on its going into computers. But in short order, the former monopoly was reeling under the cutthroat competition of that field. Losses piled up in its computer division, estimated at \$1 billion in 1986 and \$400 million in 1987.

But one bright spot was UNIX. By 1987, it accounted for about 6 percent of the \$87 billion world computer market, according to the computer marketing research firm International Data Corp. of Framingham, Massachusetts. The system had become a favorite with engineers who work with the powerful desktop computers known as work stations. It was being used in supercomputers and was making the first inroads into the vast market of personal computers.

into the vast market of personal computers.

In Western Europe, UNIX was running especially strong, with Data International estimating

Continued on page 9



Al Control International Visit Tab

ON THE INSIDE

Superconductors

he race to develop superconductors egan 18 months ago. But a new sport indicates that Japan only succeeded in coordinating its resources t the start of this year.

Pedrer Room, Lythins

10

By Kathy Sawyer ASHINGTON — In recognition of the vast advantages to be gained by both increasingly aggressive in pressing

ASHINGTON — In recognition of the vast advantages to be gained by both sides, the United States and the Soviet Union have begun taking tentative bot tantalizing steps toward a joint mission in space.

Uoder a high-level agreement signed

joint mission in space.

Uoder a high-level agreement signed last year, teams from both sides have been negotiating formally, alternating between Moscow and Washington, to increase cooperation in five categories: solar system exploration, space astronomy and astrophysics, earth sciences, solar terrestrial physics, and space biology and medicine.

This foundation was broadened by an agreement proposed by officials of the National Aeronautics and Space Administration and quickly accepted by the Soviets just before the Moscow summit meeting, where it was signed. The pact calls for the two sides to lanneh scientific instruments on each others' spacecraft.

Soviet officials have become increasingly aggressive in pressing the Americans to cooperate.

Even Reagan administration planners for the Strategic Defense Initiative recently proposed asking for Soviet help in retrieving an experiment in orbit — a notion the White House rejected.

Space is an area in which each side has something valuable to offer the other. Despite the stark contrast between Soviet successes and American failures, the Soviets are not "surging ahead," as some claim. A wealth of post-glasuost information shows that the two programs are essentially well-matched, with complementary strengths.

entary strengths.

In contrast to the flashy but erratic

U.S. style — the all-out effort for the Apollo program, waning commitment after the early 1970s, then concentration on four copies of the costly shuttle — the

U.S., Soviet Moving Closer to Joint Space Mission

Siemens AG

Soviets have kept a simple, steady course.

Their policy has been to launch large numbers of proven rockets, assembly-line style, carrying payloads that wear out quickly (Soviet satellites last weeks while U.S. ones last years) and developing experience in long-duration manned space flight. But they are keenly aware that their approach is limited.

As a result, Soviet officials have become increasingly aggressive in pressing the Americans to step up cooperation. The new NASA proposal represented a U.S. determination to initiate something rather than merely to react to the Soviets, several officials have said.

Besides providing for the exchange of instruments and increasing the exchange of data and scientists, the U.S. proposal also calls for studies to be conducted by each country on prospects for further cooperation on unmanned missions of space exploration.

The Americans objected to having Mars singled out as a goal, since that is perceived as a Soviet-led initiative not yet embraced by the United States, but they accepted language in the summit agreement that mentions missions to both "the Moon and Mars as areas of possible bilateral and international cooperation."

Uotil now, U.S. scientists have, with minor exceptions, been prevented from flying their instruments aboard Soviet craft, primarily because of concerns that the Soviets would gain access to vital U.S. technologies.

For example, a U.S. scientist recently was unable to win government approval to place a plasma-wave experiment on the Soviets' Phobos mission. The Soviets arranged for a more advanced instrument to be built by other nations and the European Space Agency.

Just to prove it could be done, NASA officials won approval through the interagency system to offer the Soviets, under the new agreement, a 15-year-old ozone mapping instrument for flight on one of their craft. However, Defense Department officials say it is likely to be impossible to get sophisticated, state-of-the-art instruments cleared.

The Soviet Unioo trails the United States in advanced electronics and computer technology by about a decade, and it needs U.S. tracking, data-processing and other capabilities. Despite earlier efforts, the Soviets have never landed a craft on Mars and they need the data obtained by U.S. craft. They also envy the

Continued on page 8

Sinc Ge Amatics

Geamatics brings order into automation

Automation often created its own problems, but that was before Geamatics, the automation system from AEG.

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TechnologyDevelopments

COMPANY PROFILE

Biotech Firm Targets Third World Markets

By Michael Richardson

INGAPORE - In 1979, when Frank Tamru was about to become Asian manager for a big U.S. supplier of artificial heart valves for humans, he visited the company's factory in Irvine, California.

He noticed that all the women sewing the chemically treated animal valves onto plastic or metal mounts were Asian-Amer-

"That's really what started me thinking," he said in a recent interview. "The more I traveled in the next few years, the more I wondered why we could not make high-quality replacement heart valves in Asia at prices Asians could afford."

Mr. Tamru is executive director of Pacific Biomedical Enterprises Pte. Ltd., a company that earlier this year began producing valves made from molded plastic and the aortic roots of pigs'

A mechanical valve made of titanium and delrin, a plastic material, will be marketed by the firm this month, while another biological valve, using the pericardium tissue that surrounds the hearts of cows, will be on sale in August

Pacific Biomedical, drawing on the resources and expertise of Australia, China, Singapore and the United States, aims to harness advanced medical technology for Third World markets. Dr. Victor Chang, a heart sur-

geon who directs the National Cardiac Transplant Center at St. Vincent's Hospital in Sydney, said that the valves could lead to "a significant reduction in health costs in many countries in

Surgical replacement of defective human heart valves by artificial substitutes has become a routine operation in the West and Japan in the last 25 years. The survival rate of patients is about 95 percent. Many continue to lead an active life for 10 or more years.

However, Mr. Tamra estimated that of the 115,000 valve replacement operations that will be carried out around the world in 1988, only about 17,000 will

Yet it is in Asia that the need for the treatment is most acute.

Rheumatic fever, which follows from untreated strep throat, is a major cause of damage to human heart valves.

The disease, which responds well to prompt medical treatment, is declining in North America and most parts of Europe. But it remains prevalent in

A shared interest in this problem led Mr. Tamru, a specialist in Asian medical marketing; Dr. Chang, who was born in China, and Brij Gupta, an American heart tissue expert who was born in India, to discuss the feasibility of making affordable replace-ment valves for developing countries when they met at a medical conference in the United States in 1981.

Once investment capital for Pacific Biomedical from a group of Australian doctors was assured, the three founders were joined by Richard Martin, an experienced mechanical valve engineer from the United States. Most artificial heart valves are manufactured in the United States and Europe. Mr. Tamru said that they cost between \$1,000 and \$1,500.

By placing Pacific Biomedical close to its main market, he explained, and taking advantage of lower costs of labor and materials, overheads and marketing expenses, the company could sell its heart valves for about 50 percent less than the cost of comparable U.S. and European prod-

Mr. Tamru said he expected that by 1992, the Singapore fa-cility would be supplying 15,000 heart valves a year

ture operation to produce biological valves in China, Its partners are the Gnangdong Cardiovascular Institute and the Guangzhou Economic & Technical Development District.

Aortic roots from the hearts of pigs slaughtered for meat in Singapore are trimmed and chemically treated by Pacific Biomedical. They are then flown to the China facility for labor-intensive wing and mounting.

Valves for export are sent back to Singapore for final quality control, testing, sterilization, packaging and marketing.

MICHAEL RICHARDSON is the International Herald TriSuperconductors Sparked Year of Debate in Japan

By John Burgess

ASHINGTON - When the race to develop hightemperature superconduc-tors was touched off m late 1986 by a breakthrough in Switzerland, scientists worldwide embarked on one of the most intensely competitive research efforts in the history of science.

In the eighteen months since, attention has centered on the United States and Japan, where major government initia-tives have been launched to bolster research and where hopes of becoming the first nation to reap the commercial benefits of superconductors are keenest.

A report released Tuesday by the U.S. Office of Technology Assessment indi-cates that Japan may already be winning the race. But it challenges a widely held belief outside Japan: that the Japanese government, following the news from Switzerland in 1986, was able to immediately fund and launch a coordinated crash program to develop superconduc-

In fact, the report said, the Japanese spent much of the year m debate and bureaucratic maneuvering over who should play what role

It was not until early this year, the study said, that Japanese policy began to coalesce, spread across three ministries international trade and industry, education and transportation — and the Science and Technology Administration.

"By the beginning of 1988, policy ob-jectives in Japan had been reasonably clearly defined," the report said, adding that the direction of policy had been more thoroughly debated than in the United States. They show a clear recognition of specific needs and specific problems impeding commercialization."

The four agencies had "competed with one another for resources" to support the superconductor work, the report said. Between them, they will spend about \$70 million for research in 1988.

In addition, 38 major Japanese companies known to be working in the field responded to a survey for the report that they planned to spend another \$90 milhion during the year, and at the year's start had about 900 scientists and technicians assigned full time to the field.

Superconductors are materials that channel electricity with almost no resistance or loss of energy. Forms that work at extremely low temperatures are al-ready available. Scientists are trying to develop ones that work at high temperatures, ideally room temperature, in the belief that they would revolutionize power generators, trains, computers, medical

sensors; indeed, virtually any device that uses electricity.

Despite Japan's slow start, government policy and a corporate culture that stresses research and development and the "long view" are together pumping formi-dable steam into Japan's efforts, the study contends.

"Japanese companies have made sub-stantial commitments of people and funds, pursuing research and applications-related work in parallel," the study

"Steel companies and glassmakers, as well as chemical producers and electronics manufacturers, are seeking new businesses, ways to diversify. Japanese managers see in [superconductors] a road to continued expansion and exporting and are willing to take the risks that follow from such a view."

Japanese companies already have dem-onstrated excellence in key skills underlying superconductivity, such as ceramics and microelectronics. They have soldiered on in research in related fields, notably the high-speed computer switch-es known as Josephson Junctions. U.S. companies largely abandoned that field

several years ago as uneconomic.

Highly dependent on exports, Japan has built an enviable record in commercializing the discoveries of other countries. And though their accomplishments in the basic research that lead to such discoveries are less impressive, the Japanese see the superconductor effort as a means to bring that up to world levels.

APANESE companies traditionally look to market share, not profits, as the true gauge of success. They spend a greater percentage of their sales on research and development than do U.S. companies, seeing that spending not as a luxury but as an absolute necessity for growth and

Government officials do not control the Japanese economy, but they do play an important role in bringing industry executives together to coordinate and develop industry-government consensus on economic issues.

Government has close ties with universities as well, the other leg of Japan's research triangle. Professor Shoji Tanaka, who last year became a hero of sorts in Japan for his work at the University of Tokyo, now heads research at the Minis-try of International Trade and Industry's International Superconductivity Center,

Declaring that its research effort is open to the world, Japan founded the center in January of this year. More than 85 Japanese companies have signed up as full members, paying about \$800,000



A LAND TO THE RESERVE TO THE RESERVE

multer !

A disk of superconducting material, above, bathed in liquid nitrogen to keep it cold, repels a cube magnetic material, demonstrating the physical phenomenon behind magnetically levitated high-spe trains. Prototypes of these trains (inset) have been tested in Japan and Europe.

each for the privilege. Not one foreign company has done so yet, though a few have opted for a cheaper associate mem-

Japan's-Science & Technology Agency will be focussing on basic research. New money for superconductors will go this year to various national laboratories, notably the National Research Institute for Metals. Its Multicore Project, targeted to get about \$16 million in fiscal 1988, is intended to strengthen laboratory work and speed transfer of research results to

Much of MTTI's 1988 superconductor budget, however, will go toward applica-tions, not basic research. It will continue

with work on Josephson Junctions and on a 70-megawatt superconductor power generator known as the Moonlight Project. Much of its work will be conducted at the Electrotechnical Laboratory, which has about 40 of 560 researchers working

"MITI sees its role as supporting industry not only by creating incentives for applications-related R&D, but by spurring productive interactions among firms and industries that might not otherwise collaborate," the report observes.

In addition, the Ministry of Education will spend about \$14 million to finance university research into superconductivity, with most of the money going to Tokyo. Tohoku and Kyoto Universit The Transport Ministry's role is pring to continue support to a two-decade project to build a practical magnatic levitated train. Ministry funding in I will be about \$4 million.

The report notes that a "supercine tivity city" has been proposed to cent ize research and applications work.

JOHN BURGESS, a financial reports The Washington Post, covers techno and telecommunications. He was the n paper's Tokyo bureau chief from 198 1987.

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Closing In on Joint Space Mission

U.S. ability to send missions to the The Soviet desire for better instruments to probe, photograph and analyze planets and other cosmic matter has led them to create "a sort of nonformal de facto consortium" with European nations. according to Roald Z. Sagdevev. head of the Soviet Space Research

Soviet leader Mikhail S. Gorbachev and a leading proponent of U.S.-Soviet cooperation. Many European scientists have for years been cooperating with the Soviets on major projects even though this activity has been con-troversial. For example, 14 nations participated in the Soviets

spectacular Vega mission to Hal-ley's Comet, in which the United States played no major role. France is the Western nation with the longest and most extensive record of cooperation with the Soviet Union in space science re-search, dating to 1966. By the early 1980s, one-third of France's more than 2,000 space researchers and technicians were doing work related to French-Soviet cooperation, according to the U.S. Con-gress' Office of Technology As-

In 1982, the two countries aunched a joint manned flight, though their activities are most heavily concentrated in the exchange of data and Soviet launch ing of French experiments. By the mid-1980s, the level of French-Soviet cooperation was close to that of French-U.S. cooperation. Some Western scientists have ecently suggested that the global center of gravity" for international space science might be shift-ing from the United States to the

Soviet Union, in part because of contrasting attitudes in the two But the equation is changing. While the Soviet Union has been launching about two rockets a week on civil and military missions with the boiler-plate-andrivet technology that U.S. engineers used to deride, the U.S. capabilities, which are considered to be superior, have been pinned to drawing boards by volatile budget and political cycles and a lack of national commitment that be-

has not launched a planetary mission in the last decade. "Space biology, life-support technology, automatic rendezvous and docking and planetary lander systems are but four areas where we can gain knowledge from the Soviet Union," said Louis Friedman, executive director of the Planetary Society, a U.S. space in-

terest group.
Scientists in the two countries have long lobbied for more coop-

Continued from page 7 eration as a way to spread costs, parts of Mars at different times of avoid duplication and maximize the ground covscientific results. For years, they have traded data informally.

Both sides are already linking their Mars missions.

"To pass up cooperation would be a major mistake," said Sam Keller, NASA's deputy associate administrator for space sciences, who heads the U.S. team negotiating with the Soviet Union. "There are compelling reasons that dic-tate we should muster as much Institute, who is an adviser to the energy as it requires."

At the Soviets' request, the Americans have agreed to modify their modest 1992 Mars Observer mission so that it can receive and transmit data from the French-Soviet balloons that the Soviets plan to leave on Mars during their mission to be launched in 1994. The superior U.S. transmission capability would double or triple the

agery coming back. "They've offered to give us the raw data in return, right away,"

Mr. Keller said. For the Soviet Union's Phobos mission, NASA's Deep Space Network will track the Soviet vehicles. providing accurate position reports so the craft can make deli-

cate mancuvers. The Soviets will tell U.S. scientists bow they communicate with their robot probes and how they "format their data stream," Mr.

Scientists from each side will their cameras at different

conduct joint studies to identify promising landing sites. The United States has provided data from

its Viking missions to Mars for this purpose. In addition, there are several other possible steps short of travcling fully integrated on the same ship, such as flying each other's scientists or sending separate space craft on the same mission.

ENTAGON officials will monitor the new relationship closely. Stephen Bryen, deputy undersecretary of defense for trade security policy, said that coopera-tion will be "by the book . . . There will be senior review from day one. We are not going to have scientists trading a bunch of computer tapes

without us knowing what's on While some U.S. Defense De-

partment officials warn that Soviet space activities mask a sinister military thrust and an attempt to appropriate vital U.S. technologies, scientists in both countries argue for cooperation as an antidote to the costly and dangerous military competition,

Building a lunar base, for example, is a major undertaking that the Soviets would feel compelled to match if the United States went

ahead on its own, said Alexander

and Analytical Chemistry in M

"This is very sensitive in military aspect," he added. "Y will have the possibility to h there missiles which can be sen Earth, and nothing can si

NASA Administrator James Fletcher told a space symposi recently that the Moon "might a more appropriate initial desti tion than Mars" for a joint a sion. It would give the two opportunity to build a stable b for further cooperation."

Notwithstanding the signific support in each country for a je manned Mars mission, both si still have a lot to learn about wo ing together.

After the last joint activity the Apollo-Soyuz docking in a in 1975 — relations between two countries deteriorated folk ing the Soviet intervention in . nistan and other tweeth formal cooperation was

Whatever strategy is will have to last a long will go through three to dents in the course of gram," Mr. Keller

RATHY SAWYER, and porter for The Washing covers the space sciences.



Last joint effort: Alexis Leonov and Deke Slayton at Apollo-Soyuz docking in 197

TechnologyWorkplace

W Installs 'Honeycomb' on Assembly Line

By Douglas Sutton

MDEN, West Germany -Chaos" is hardly an attribute me associates with to German I stril engineering technolne that any engineer, Gerby prizes.

kept cropping up one day cropping up one day cropping up one day action Hall 7 assembly plant on a North Sea inlet border and about 200 miles) west of VW's

W ended production of the medium-sized Passat May began manufactur-Variant.

doesn't it?" said Willi en who belped to stations at the Emden it's a highly organized

was pointing to the core of 16 spot welding stathe bodyshell was to be for the for for the station wagon. bots, triggered by sensors, autoadapted themselves to the dif-

lding chores presented by the models, changing tools and an-

assembly proof robots placed the bottom, and roofs together, her quickly spot-welded

main framework. Other robotized work stations had previously assembled the separate subframe sections.

At Emden plant, robots take care of the chassis-welding chores.

The German terminology for this process is "Pertigungssystem flexibler Roh-bau," which roughly means a manufac-turing system for flexible bodyshell assembly. But VW engineers have a simpler description: "wabe," or honeycomb. VW. Europe's largest carmaker, is convinced that it will be the vital component in a strategy to remain cost competitive through the turn of the century.

"The plant has a pioneering character," said Ludwig Schmahls, bead of the production planning division at Emden

ufacturing center after Wolfsburg, the company's headquarters.

"The goal was for a higher degree of flexibility in both the product and the production process, and we've achieved it with the wabe concept," Mr. Schmahls said about what VW calls its Layont 2000, a factory for the 21st century.

Robots, all designed and developed by Volkswagen, are a key element in the company's automation efforts.

Volkswagen said that at the start of the year it had 2,216 robots working at all its domestic and foreign manufacturing sites. By the end of the year, VW expects to be operating 2,500 robots, with another

with about 610 robots, compared to about 580 at Wolfsburg and 410 at the Audi division's plant at Ingolstadt,

At Emden the robots are mainly m operation at the flexible bodyshell assembly stations, doing 80 percent to 85 percent of the work, according to VW engi-

Further down the line, the human element is much more in evidence as workers perform the intricate tasks of assembling the 9,000 to 10,000 parts and components in the Passat and Variant. By compari-son, the classic Beetle had 3,000 parts.

The new Passat gave us the chance to develop both a new product and a oew manufacturing method at the same time." Mr. Schmahls said. "The first aim of course was to improve the product's quality, while trying to keep the costs in

"We think we have succeeded since the new Passat is worth about 20 percent more compared to the old series, " be added. "And though it is greatly more complicated to manufacture, we need two
man-hours less to produce it. And we
kept the basic sales price constant, at
some 23,200 marks."

A tightening and increasingly competi-tive car market, combined with the huge up-front product and manufacturing development costs, were what made VW

seek a maximum in flexibility. VW invested 2.6 billion Deutsche marks (\$1.51 billion) for the oew Passat. This included 640 million marks to develop the car and over 1.6 billion marks in developing the manufacturing technology and equipment. Of that latter sum, about 1.2 billion marks have been invested at the Emden plant, where as of April 30,

VW says that the new automation and rationalization have not cost any jobs at Emden. However, some have been shifted to smaller firms set up in the region to

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supply certain components under cost-saving "just in time" delivery procedures. Hall 7 is designed for a capacity of 1,200 cars a day. By early June, produc-tion during two eight-hour shifts was run-ning at 800 to 850 cars, and gradually rising. In the first month, more than 41,000 of the new series Passats had come

off the production line.

Mr. Schmitt said that the two years of preparation, including computer simulaioo of the entire manufacturiog process,

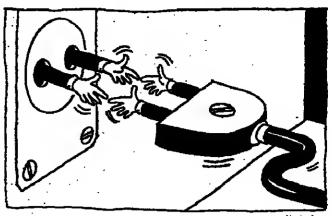
helped keep problems to a minimum. Showing a visitor one of the bodyshell welding stations, Mr. Schmitt tapped codes into a computer monitor, which promptly delivered graphic charts and

formation about current production.
"Here is a station boxed in red," he said pointing to the screen. "It's the sta-tion right behind you, and the red means that production has stopped because of some technical matter. Usually the problem is material stress in one of the spot welding robots."

In less than a minute, two maintenance men appeared to inspect the robots.

"But you notice that work is still going on at the other stations," Mr. Schmitt said. "This is the main advantage of the bechive system - a problem at one work station does not stop work at the others. In a conventional assembly line, when there is an equipment breakdown, the entire line becomes idled while repairs are carried out."

DOUGLAS SUTTON is a business and economics editor for the English-language service of DPA in Hamburg.



Europlug: Its Day Is a Long Way Off

By Sherry Buchanan

ARIS -- Wet hair in the middle of winter that is not meant to be the gel look; a creased suit at an important meeting; a stubble on a usually clean-shaven executive - these are signs of distressed travelers who couldn't fit the plug on their hairdryer, iron or electric razor into the foreign sockets of their botel rooms.

The Europlug is still a long way off. lo the European Community countries there are a variety of plugs, with the biggest difference being between the three-pronged British plug and the two-pronged Continental one.

"It seems that in 1992, even with the internal market, there will still be existent nadonal standards," said John Cutting of the Institute of Electrical Engiocers in London.

Currently, the British three-pronged plug is coming under siege from the Continental plug, although the British have oo inten-tion of undertaking the costly rewiring of their country.

Twenty years ago, the British changed their system from a round pin system to a square pin system. And changing a country's entire electrical system is oo easy task, Some British households still have round pins.

In addition, the British electrical wiring system is a matter of oational pride. Unlike the Cootioental ooe, the British threeprooged plug has its own fuse, which, some argue, makes it safer.

Proponents also say the British system is cheaper because the electrical wiring systems use up less cable. The British use a ring sys-tem, the Europeans a radial system. The plug is also bulkier; Governments originally begao

searching for an international standard for plugs and sockets in the 1970s to help governments io then emerging developing countries to have something to go by and not end up, as some have, with three different electrical wiring

The initial idea was to come up with an international standard that would be different from anything else on the market so that all countries would have to suffer and change their systems on an "equal pain for equal gain" concept. However, the Germans and the

French objected to the new inter-

national plug.
"It would cost EC countries 80 hillion ECUs to change all their wiring systems, so there has been no move towards harmonization," said Hanns-Karl Tronnier, general secretary of the European Committee for Electrotechnical Standardization in Brussels, the agency responsible for harmonization of EC electrical standards.

According to the agency, there are 40 different plugs worldwide. It has been argued that, as peo-ple use more and more computers. they will oeed all kinds of different plugs anyways.
"There is no ueed to get worked

up about an international plug, We're all getting wired up with different kinds of sockets and plugs anyway for different kinds of machines such as computers," said T.C.J. Cogel, editor of the Electrical Review, the British trade magazine,

SHERRY BUCHANAN writes the International Manager column for the International Herald Tri-

plant, Volkswagen's second biggest man-10,151 people were employed. Imputer Camps Square Off in Battle Over Standardization

ntimued from page 7

w has a 12 percent share of the iere. Partly that is due to nationtions by governments there, omoted it to fend off American ddling proprietary systems.

saw it as a way for their vendors te on a one-to-one footing with Digital," said Maury Domen-NIX analyst at International

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ly every industry analyst, means predicting that the UNIX mar-1 keep growing by leaps and loternational Technology -sed systems in 1988 and five number in 1992.

> last year began aggressive ac-ain control of the system it had It began working closely with

the fast-growing California company Sun Microsystems Inc., one of the most inno-vative modifiers of UNIX. To seal that alliance, AT&T announced in January this year that it would buy a 20 percent stake in it. Following other deals, AT&T had in hand the three dominant forms of

Moving fast, it announced plans to merge these three into one and to make the system more "user-friendly" (designed for experts, its cryptic commands have always been intimidating to amateurs). It lined up support from Xerox Corp. and Unisys. Ing. C. Olivetti & Co., the Italian computer company in which AT&T owns a 26 percent stake, was also viewed as on the AT&T team.

AT&T's competitors, meanwhile, were getting nervous. Their critics say they were getting upset because the grip of their proprietary systems was being loosened. But the companies say their concerns were legitimate, a question of preserving access to UNIX, which some were likening to a public trust.
Was AT&T taking a public system pri-

vate, they asked. By having advance knowledge of the details of the new UNIX, would AT&T and Sun have an ımfair jump on everyone else in developing oew products? Moreover, the system was being designed to fit into a computer chip developed by Sun. Would that give Sun an unfair advantage in hardware? For many companies, it was the first time they had taken AT&T's forays in their industry seriously.

O IN January this year, a delega-tion of computer makers called at AT&T offices to demand a role in developing the new product. AT&T offered concessions, but to the visitors they were inadequate. Later, there was talk of an antitrust suit

against AT&T, but the group decided instead on the foundation. Charter mem-

bers were IBM, DEC, Hewlett-Packard

Co., Apollo Compoter Inc., of the United States; Groupe Bull of France, and the West German companies Siemens AG and Nixdorf Computer AG.

The foundation's declared aim is to

develop a truly "open" form of UNIX. Any company is free to join, it says. All members will share the results at the same time and benefit equally. It pushes aside suggestions that it is an unfair grouping.
"We aren't addressing the AT&T and
Sun issue here," said Henry Crouse, the
foundation president. "We're addressing

the issue of how best we can resolve computing capability internationally." On the day the foundation was formed, AT&T called it a vote of confidence in the

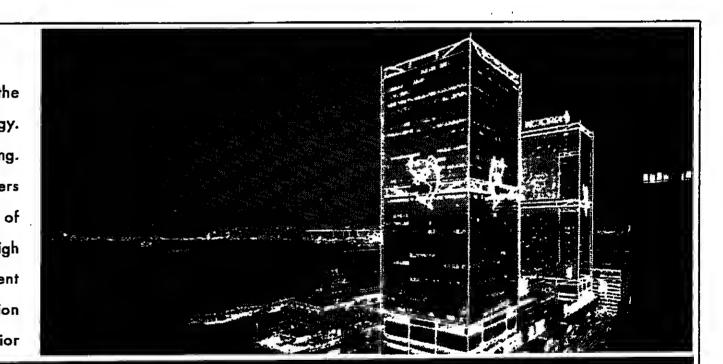
future of UNIX. But officials at the company also raised questions about whether mufacturers that for so long had been peddling proprietary systems could really be making such a shift in strategy. It declined an invitation to join, delivered personally to AT&T chairman Robert E. Allen. The trade press later reported that AT&T may resist licensing UNIX to the foundation and has its lawyers looking into possible antitrust suits against it. The foundation immediately sent a del-

egation to Japan to recruit oew members. But as of early June, no more companies have joined, though the foundation says that Dutch maker Philips is about to do Mr. Domengeaux, meanwhile, predicts

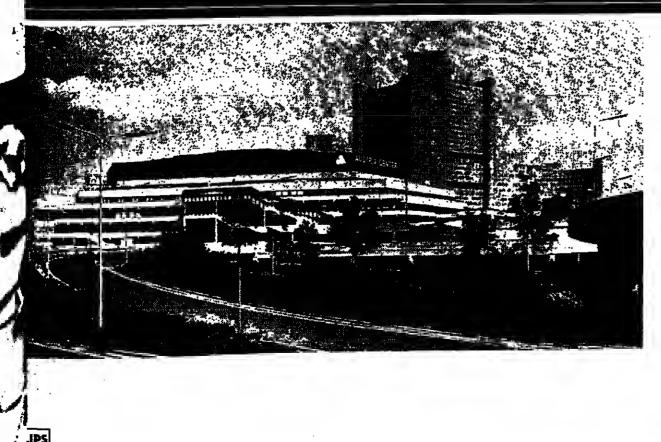
that Europe will in general back the foundation. "Because of its open structure," he said. "I think European manufacturers will find OSF much more attractive than trying to sign on with AT&T."

Most of the user community, meanwhile, remains in a wait-and-see stance. Everyooe favors standardization, of course, as it would give them more flexibility in purchases and encourage new programs from software houses, because the market would suddenly be bigger. But it has been promised to them for so long that few are willing to believe it has come true until it is staring them in the face.

he new Shun Tak Centre and Macau Ferry Terminal complex, including the O-room Hotel Victoria, is a striking example of innovative building technology. Its two 41-storey towers are among the tallest high-rise steel structures in Hong Kong. And the Macau Ferry Terminol, designed to handle up to 15 million passengers year, is the world's busiest marine transport facility. > The careful blending of action and aesthetics by the architect Spence Robinson is complemented with high hnology lighting from Philips. > Cost-effective lighting that combines excellent our rendition with high light output, yet uses 30% less energy. ► And the integration general and accent lighting enhances the futuristic functional design of this superior



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landmark. ▶▶▶ In conference centres, too, you will find Philips technology helping to create the right environment. > The new Austria Centre in Vienno, with 14 conference halls and a total capacity of 9,000, is a fine exomple. ➤ Up to 4,000 delegates in the main hall can enjoy perfect conference conditions, thonks to a computerized directional sound system from Philips. ► In two other halls our multichannel reverberation systems tailor the acoustics for music, opero, theotre or speech. ► And to ensure the best in sound ond vision, we supplied the Centre's colour TV studio, master antenna TV distribution system and staff intercom. ▶ Lighting, sound and vision technologies – perfected by Philips and applied in projects the world over.

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SCIENCE

The Shuttle's Repairs: Will They All Work?

By William J. Broad New York Times Service

AFTER two years and more than \$2 billion, the space shuttle has been rebuilt in a process involving hundreds of changes to key systems and support gear. Experts say they believe the

winged spaceship is safer than ever and nearly ready to fly. Now standing inside the 52-story

vehicle assembly building at the Kennedy Space Center in Florida, the shuttle Discovery is to be moved this week to the launching pad, marking a critical milestone in the United States's recovery from the Challenger disaster in January 1986 that killed seven astronauts. In late August or early September, Discovery is scheduled to make the first shuttle flight in nearly three years. "The period of penance has been long enough," said George T. Sasseen, director of shuttle engineering at the Kennedy Space Center in Florida. "We're in this business to get into space, not to modify equipment.

The sweeping alterations to the shuttle system have been made to enhance reliability, improve performance and increase safety. But paradoxically, experts say the changes also can aggravate two of the space agency's worst problems: delays in the launching schedule and risk for the astronauts during the craft's first flight.

"Yoo introduce complexity when you try to fix things up," said Charles Perrow, a Yale sociologist and author of "Normal Accidents," a study of high-technology risk. For every positive improvement in safety you also add a negative factor because of the complexity.
And sometimes that will catch up

should make Discovery's flight one tion chamber outlets. of the safest ever. The first posttest flight, the five-man crew consisting entirely of space veterans ready to handle "surprises" during

the four-day voyage. "There's some risk oo that score," said Richard A. Colonna, an explosive bolt used to disconhead of the orbiter projects office at the Johnson Space Center in Houston. "But I personally think

to minimize risk by extensively ing improvements, stiffening of the testing new hardware on the landing gear, strengthening of ground. Altered equipment has structures in wings and engine been shaken, vibrated, powered up, pods, and improvements in heat-run, taken apart, inspected and run absorbing tiles on the shuttle's sur-again — everything short of the face. Additions include a new hatch

planned or under consideration be-fore Challenger's fiery demise. The shottle's support equipment at the presidential commission that inves-tigated the Challenger disaster recother changes after its own review uncovered new areas of concern. The changes were broken into three categories: urgent ones to be done before the next flight, prudent ones no later than 1989 or 1990, and optional ones by 1991 or 1992.

O far, the cost of overhauling the shuttle and its support systems has come to about \$2.4 billion, according to James H. Brier, a financial analyst at NASA headquarters in Washington. When the changes are finished, he said, the total bill should be about \$3.5 billion. The figures include modifications at the Kennedy and Johnson space centers as well as the following repairs to the shottle and its rockets:

● The 149-foot-long, solid-fuel booster rockets have been redesigned top to bottom in a process involving 145 changes to components, including the joints and seals between booster segments that failed in the Challenger launching, the internal insulation, the fuel igniter, the nozzle, and the giant bracket holding the booster in place. Heaters have been added to keep seals from the kind of coldweather stiffening that helped

touch off the Challenger disaster. • The shuttle's three main liquid-fuel engines have undergone about 30 hardware changes, including the strengthening of turbo-SPACE agency experts emphasize that improved hardware pump blades to prevent cracking and strengthening of main fuel valve housings and main combus-

● The 154-foot-long external Challenger mission is viewed as a fuel tank, which holds liquid oxygen and hydrogen for the main engines, has undergooe eight changes, including the strengthening of a fuel line housing, the use of a more reliable battery and the redesign of nect cables on the launching pad.

 The 122-foot-long spaceship has undergone about 220 changes, The space agency has struggled including rewiring, brake and steer-

ultimate test, flying it in space. The that can be blown off in an emerassembled spaceship will be put gency, an escape pole so the astro-nauts can bail out at high altitudes, and an escape slide to help them Some improvements were flee the craft while on the ground.

Johnson and Kennedy space cenrigated the Challenger disaster recommended a series of major alter-ations. And NASA proposed many naut walkway on the 34-story gantry next to the launching pad has been outfitted with flame deflectors and water sprinklers to aid astronauts trying to escape a burning shuttle.

The computer programs that control the shuttle's launching have been altered, with about , 38,000 changes to 500,000 lines of computer code, according to Sasseen at the Kennedy Space Center. All told, he said, there have been some 760 major modifications to shuttle support gear at Kennedy.

is attitude. Today NASA officials constantly talk of safety, conservatism and prudence. Indeed, some experts say there may be too much caution over the hardware changes. "I personally feel some were un-necessary," said Mr. Colonna of

Perhaps the biggest change of all

the Johnson Space Center. "But there were arguments on both sides, and the total management team felt they were worth doing. In general, all the modifications were

By Jeremy Gerard

New York Times Service

NEW YORK — The particle physicist, the cosmetic surgeon, and the consumer

electronics entrepreneur each imagine some-

thing beyond the probable - the quark, the

perfect nose, the power to watch two differ-

ent broadcasts on the same television screen

at the same time - and then set out to prove

For Rabbit Systems Inc., a young Califor-

nia electronics company, that meant creating a product called the Double Play. It allows

anyone with a video cassette recorder to view

a second channel on the television screen.

The "picture-in-picture," ooe-eighth the

screen's size, can be moved to any corner and

toward the center; it can be frozen, and it can

be exchanged - "swapped" - with the larg-

same time -it's the end of Western civiliza-

tion as we know it," said Alan C. Nenbauer, a

consultant at Rabson's Stereo-Video Ware-

house here.

The ability to watch two idiot boxes at the

its existence, if not its purpose.



Morocco's Olympian Said Aouita in a race last year in France. Is

Morocco's Olympian Said Aouita in a race last year in France. Is

Picture-in-picture technology is now built

into several of the most expensive digital televisions and VCRs. But Rabbit, which has

been selling gadgets to add on to gadgets for three years, and its main competitor, Multivi-

sion Inc. of Scotts Valley, California, found that plenty of people with old television sets

would pay \$200 to \$500 to be able to watch

Rabbit, said the Santa Monica company had

sold out its first run of Double Plays, 30,000

units. He expects to sell 200,000 more in the

"The most passionate purchaser of the product is the sports fan," he said. "If you

have ever spent an afternoon channel-hop-

the reaction of ooe professional fan, Michael

Francesa, an announcer on an all-sports ra-

dio station here who got a Double Play for

Christmas. He told listeners the product was

Viewers like Mr. Francesa are finding the

so terrible that be had returned it.

Mr. Hoefer would have been dismayed by

first year of nationwide distribution.

George Hoefer, executive vice president of

2 TVs in 1: 'The End of Civilization'

two programs at once.

ping, you'll understand."

A Young Doctor Hunts For the Runner's Curve

By William Stockton New York Times Service

TEW YORK -At some point N EW YORK — At some point in their training, young doc-tors dream of the brilliant discovery that will secure a foothold in medicine; faculty appointments, a corner office and a reserved spot in the parking lot hang in the balance.

In 1982, when he was a 27-yearold medical student at Emory University in Atlanta, Lewis G. Maharam glimpsed his moment while serving as a medical volunteer in the Atlanta marathon, stationed at mile 20. As he watched the runners, exertion and pain etched on their faces, he thought of recent research linking exercise with a buildup in the blood of narcotic-like chemicals known as endorphins.

There was widespread speculaoon that endorphins were responsible for the feeling of well being and even euphoria that sometimes accompanies exercise. The supposition that runners become exercise junkies, addicted to their daily endorphin fix, was becoming a part of

running lore.
"I'll bet if you gave those guys naloxone right now they'd all fall apart," the medical student said to his fellow volunteers.

Naloxone is a narcotic antagonist. It will block narcotic action, he feeling the pain or is he somewhere on the Maharam curve? observe whether they suddenly run

Double Play's picture-in-picture 100 small and its quality 100 poor to tell whether any-

thing worth swapping for is happening.

This proved to be the case recently, with

the Double Play hooked up to a 17-inch TV

and tuned to Wimbledon and the first-ever

solar-powered car race. On the picture-in-

picture, the car race looked like a convention

gnats, and the tennis ball was invisible.

The next attempt was more disappointing

When a naked weatherwoman seemed to ap-

pear in the smaller picture, that image was

weatherman in a tan suit.

quickly "swapped," It turned out to be a

"This is a gimmick," said David Lachen-bruch, the editorial director of Television

Digest, an industry newsletter. "It's a cute

feature maybe a real sports nut would use.

Mr. Lachenbruch is not averse to the idea

only exceedingly pragmatic. "For the price

Frankly, I don't see any value in them at all."

you pay for one of them, why not just buy another TV?" he said. "I have a 13-inch

television sitting on top of my 26-inch televi-

sion, and I get sound from both of them."

out of gas might reveal whether ing by masking their pain and acting as a stimulant.

of 10 competitive distance runners plodding along on a treadmall in a Georgia State University exercise exercise level laboratory, hooked up to a battery of instruments. They also had a tube attached to a blood vessel in the arm so naloxone or a harmless salt solution could be injected

They were told to ruo until they were ready to drop. To make sure the runners, all male aged 19 to 41, went to the limit, nurses cheered them on, calling out such things as You can do it. Keep going."

While they ran and afterward, the runners repeatedly executed a psychological test in which they rated their mood of the moment. Endorphins in the blood were measured before and after each treadmill run. On ooe run, a volunteer received oaloxone; on aoother harmless saline. No one knew which substance was being admin-istered, so as to eliminate bias.

As is often the case, the experiment failed. Naloxone had no effect on the runners' performance. They just kept going.

"The marathoners would not have dropped out at 20 miles," Dr. Maharam said. "Endorphins and runner's high apparently have some other, unknown, purpose in

Because we live in the age of cheap computer time, Dr. Maharam began some serious oumber crunching using data about his 10 runners. Poring over the printouts. a hypothesis began to emerge, an idea powerful enough to conjure visions of future textbooks that would feature "Maharam's curve."

What emerged was a composite graph, or curve, plotting weekly miles run versus increasing endorphin levels and improving mood, lt suggested that for each person there is an optimum exercise level that produces a better mood. If someooe does not train enough, he will not reach this optimum point and there will be no high. If he trains too much, he will go past the

optimum and miss the high. That each person has a Maharam curve and possesses an optimum level of weekly exercise that will produce runner's high is potentially a powerful idea. It raises the possibility of exercise prescriptions. Imagine if a sports doctor could come up with your personal curve a fickle mistress. Maha based on age, sex, baseline endor-might easily not exist.

For each person He began to concoct a research project. Before long, he had a group be an optimum that produces a better mood.

> phin levels and other variables a then presente certain levels of ercise so you could frequently perience runner's high.

But we are getting ahead of of selves. Maharam's curve is a so tive idea, but more proof is pendi

The next step is for Dr. 12 haram to test his hypothesis. Sol is busy making plans for his in treadmill study. He will recruit unteers and fit them into his on Then he will issue exercise presettions in search of runner's him

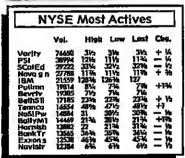
At this point, he becomes a tive about how he will conduct study. Medical research is not gentleman's sport; competitors not above stealing an idea cranking up their own treadmit

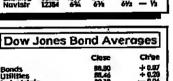
A HE research is part of a gran plan. Dr. Maharam wants to be primary care sports medicine sp cialist. Since that is not a reco nized specialty, with its own certif cation process, he has been making his way through a complex por graduate training. He is now a re-dent at New York Infirmary-Best man Hospital studying town certification in internal medicis while carving out a practice amos a sports medicine elientele. H. needs patients, and he needs rept tation and professional respect.

Last year be presented the remiof his naloxone study at the Amer can College of Physicians nation convention. It won first place in competition. That thrust him to th fore as an expert on endorphit and runner's high.

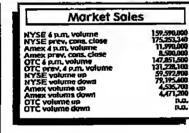
The award also caught the eye! New York Infirmary-Beekma Hospital's public relations people who issued a press release. And i has landed a spot on the medic team of the New York marathon

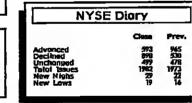
Such exposure will bring to tients. But the people who wit textbooks and assign parkit spaces will want more. The r search is the key, but it also can't a fickle mistress. Maharam's cur-

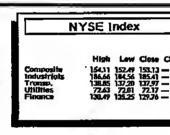


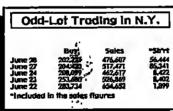


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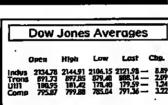


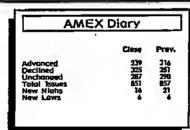


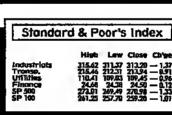


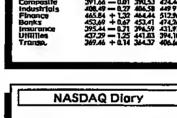




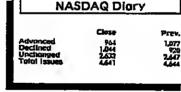




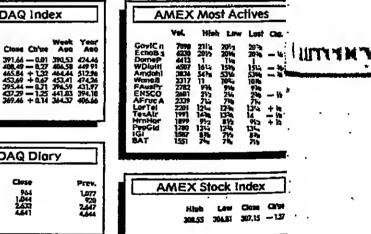




NASDAQ Index



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2.12 8.7
1.44 2.1
1.48 6.2
1.24-17.1
2.34 1.1
1.24 4.6
1.30 1.3
1.40 5.3
1.40 5.3
1.40 5.3
1.40 5.3
1.40 5.3
1.40 5.3
1.50 7.7



NYSE Falls After Rally Fades

staging a partial recovery.

Declines led advances by about a 3-2 margin.

Volume totaled 159.59 million shares, up from 152.37 million traded Tuesday. "I think all you have here is a market that is

tired and just wants to consolidate," said Dennis Jarrett, a technical analyst with Kidder, nis Jarrett, a technical analyst with Kidder, Peabody & Co.
He said the upcoming Independence Day weekend was partly to blame. "As we near the holiday weekend, I think you can expect more backing and filling. I doubt you will see anyone getting too bold with large positions."

Peaced modest independent of the New York and modest independent.

Broad-market indexes also slipped. The New York Stock Exchange index fell 0.64 point to 153.13. Standard & Poor's 500-stock index fell 1.33 to 270.98. The price of an average share lost

The decline in stocks came despite continued strength in the dollar, which analysts said was a

major positive factor for the equity market.

"The dollar is the big fundamental factor in the market right now," said Phil Erlanger, chief technical analyst at Advest Inc. in Hartford,

United Press International

NEW YORK — Prices on the New York
Stock Exchange fell Wednesday in moderate
trading after a mid-afternoon recovery ran out
of steam.

The Dow Jones industrial average, which rose
22.41 points Tuesday, fell 8.39 points to close at
2,121.98. The index showed a deficit of more
than 20 points in early afternoon trading before
than 20 points in early afternoon trading before
staging a partial recovery.

selling stock."

"There is a still a lot of negative sentiment as a result of the October collapse," Mr. Erlanger said. "But the market is now in a transition phase from the bearish to the bullish. Monday, when the Dow fell 34 points, was scary.

But the whole point of a healthy correction like that is to cure excesses so the market can progress. What's positive is that there was no downside follow-through to Monday's decline. There was no need for a further correction." Varity was the most active issue, up 1/4 to 31/2. PSI Holding followed, off 1/4 to 111/4.

Southern California Edison was third, down Pullman gained 1% to 7%. Pullman said a

group of senior managers is considering making a proposal to acquire the company for \$7.50 a

AT&T was off 1/4 to 261/2. IBM was unchanged

Quaker State was down 2½ to 21%. A New York investment firm Wednesday dropped its \$26.50-a-share bid to acquire the petroleum

"If foreign investors perceive that the dollar 51s. Close Div. Yid. PE 100sHigh Low Quot, Ch'ee 100 99 15 100 97 515 100 40 12 100 2 #187 47 150 47 180 20 30 24 .12 6 1.4 1 37 8 21 209 29 24 122 1.7 10 692 1.3 19 2110 3.7 11 1.2 13 317 1.9 28 2749

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Fire Faris Bourse Holds Firm ut Scandal Reverberates

By JACQUES NEHER

Special to the Herald Tribune

ARIS — Despite disruptive strikes and related bomb scares on the Paris Bourse last week and a scandal that has drained more than a third of its brokers' gnarantee fund, the market has held up throughout the storm.

ongh the reverberations of the scandal are far from over, the z de Tendance, or trend index, calibrated at 100 at the start e year, has leveled off over the past two weeks, fluctuating een 127 and 133.

Wednesday, the index closed up 0.22 percent. The labor me did not affect the trend index, which represents the mmance of almost 170 French stocks quoted continuously by outer. However, the strike prevented calculation of the

The 'affaire' could

bring lawsuits and

doom independent

dcr index, which is based on ming prices at the openat trading session.

is latest affaire, some cted, may lead to a gov-ent decision to speed up akeover of independent rages by banks and forfirms. It also could start a of lawsuits from brokers

brokerages. ged that their joint guarantee fund — created to insure fors in the event any brokerage could not meet its commits — had been gambled away on the futures market. The mt now stands at 650 million francs (\$107 million) and could

gher because of positions still outstanding.

nat is clear at the moment is that confidence in the Paris

et, and in the authorities who are supposed to be supervising

s been damaged by the scandal, which has grown in scope

it was first revealed on June 10. hief target of the anger is Xavier Dupont, who was forced to as president of the Bourse after announcing that the loss recumulated over a period of months beginning last fall. his makes a joke out of the whole place," said a Paris broker,

requested anonymity.

T. Dupont, credited with modernizing and reforming the se over the past two years, was replaced by Regis Rousselle a largest Paris brokerage, Meeschaert-Rousselle.

Rousselle's first act was to put out a cash-call, requesting he 61 brokerages together raise 1 billion francs. Half of that do not the guarantee fund while the other half would sent new capital for the Bourse.

HE DECISION, he said, would "show that we want to reestablish credibility." But brokers said the cash-call, averaging 16 million francs per brokerage, could drive the ining independent firms to the wall. One trader said, "This ... coelerate the movement for them to be taken over by banks

irket professionals also predicted that the scandal will gen-a load of suits, particularly against Mr. Dupont and his erage, Dupont-Denant.

e French media have criticized the fact that the futures ; were hidden from public view for so long. An editorial in -ews magazine Le Point declared "it is time that the bosses of aris markets, including the finance minister, understand that

parency is the prerequisite for trust,"
i Furnivall, analyst with Phillips & Drew in London, said in Paris have held firm because of the dollar's recent and against the Deutsche mark, which, he said, could transinto a drop in French interest rates. A stronger dollar cases the franc's standing against the mark," he said, "and s France to arrange its interest rates without needing Ger--'s cooperation."

Currency Rates

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4.215 2.9346 18.564

10.5978 2.312.59 2.5143

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4.1465 13.49.59 2.954

21.58 0.982 44.54

20.655 0.1117 0.7338

Corrency Per S
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Nlys. nairy* 4.1333
Norw. krone 27.862
Pert. scude 5690 rivs* 32.902
Sien. 5 2.00
S. Kor. wen 72530

French Pronc 7 %-7 % 714-7% 7 %-7 %

Per S 4,23 146,20 7,803 14,11 1679,00 0,603 1,612

Interest Rates

\$14-7% \$14-7% \$16-7% \$ %-7% \$ %-10 % 10-10%

B.F. 5.386 = 4.777 = 65.27 25.465 36.165 3.469 3.4784 3.5248 =

IBM Sets Phase-Out Of Units

4,000 Workers Could Leave Firm

Compiled by Our Staff From Dispatche NEW YORK - International Business Machines Corp. said Wednesday that it would phase out some manufacturing operations in the United States and Canada and that it expects up to 4,000 employees to retire or leave the company, although none will be laid off. IBM said the steps were being taken to "further reduce costs, pro-

vide for future growth and speed new products to customers."

The company said the cost of the moves would be about \$600 million and would be reflected in its second-quarter results. It said they would be largely offset in its first-half results by the benefits of an

accounting change.

IBM's stock was unchanged at \$127 a share on the New York Stock Exchange on Wednesday.

The company said it would offer new jobs to all employees affected by the changes but that it expected 3,000 to 4,000 employees to retire

or leave as a result of the moves. The consolidation moves are expected to be completed by the end of 1989, IBM said. They include:

• Personal System/2 personal computer manufacturing in Boca Raton, Florida, is to be moved to IBMC.

IBM's Research Triangle Park plant oear Raleigh, North Carolina, where much Personal System/2 manufacturing already takes place. Manufacturing operations at the Tucson, Arizona, storage prod-

acts plant is to be phased out and the work moved to IBM plants in San Jose, California; Charlotte, North Carolina; and Poughkeepsie, New York.

 Rolm Systems telecommunica-tions manufacturing in Santa Clara, California, is to be moved to IBM's San Jose facility. Rolm manufacturing and development in Austin, Texas, is to be consolidated. with IBM's main Austin site.

• The IBM plants in Charlotte and Austin are to take over some of the assembly work now done in Toronto. At the same time, an IBM laboratory in Toronto would get more programming development responsibility. Manufacturing of memory cards and power systems would continue in Toronto.

• A plant in Brooklyn, New

York, is to diagnose and process electronic components, work that used to be done in numerous loca-

Continuing a decentralizarioo program it announced in January, IBM said it will further reduce the New York, and elsewhere.

financial assistance, IBM said.

Tax Reform Act. (AP, Reuters) tive Commission.

Insider Inquiry Widens on Street

Lee's Accounts With 6 Firms Are Examined

By James Sterngold

New York Times Service NEW YORK — The Securities and Exchange Commission is examining trading records at six brokerage firms in its insider trading investigation of a Tai-wanese investor and a young Wall Street analyst, according to people close to the inquiry.

These sources, who spoke Tuesday on condition that they not be identified, said the SEC was looking into trading done by accounts controlled by Fred C. Lee, a Taiwanese national, at Goldman, Sachs & Co., First Boston Corp., Merrill Lynch & Co., Shearson Lehman Hatton Inc. and Charles Schwab & Co.

On Monday, the SEC indicated in a civil complaint filed in federal court in Manhattan that it was looking into Mr. Lee's accounts at Morgan Stanley & Co.

The SEC said in its complaint that Mr. Lee, 38, a businessman who lives in Hong Kong and Taiwan, had paid Stephen Sui-Kuan Wang Jr., 24, a junior financial analyst at Morgan Stan-ley, at least \$200,000 for inside

Stephen Sui-Kuan Wang Jr., the analyst involved in the insider trading inquiry, in a University of Illinois domitory in 1983. See INSIDER, Page 15

Investor Is From Wealthy Taiwan Family

Compiled by Our Staff From Dispatches

HONG KONG - Fred C. Lee, the investor who is accused of making more than \$19 million by trading on inside information, has been described by business associates as an affable, exceedingly well-connected man who jetted between homes in

Taiwan, Hong Kong and the United States.
Yet the details of his recent business activities remain unclear. In Taiwan, associates said he came from a wealthy land-owning family and served as a director of several companies, including a major bank and a government utility.

In Hong Kong, where big investors are much discussed, Mr. Lee is a virtual unknown. "He isn't anyone anybody here has heard of,"

one knowledgeable broker in Hong Kong said. According to SEC officials, Mr. Lee, 38, described himself as an international businessman with interests in real estate, trading and public In Taiwan, Mr. Lee was on the boards of several

important companies by the time he was 30, according to several securities dealers. One associate said Mr. Lee served as a director

of City Bank of Taipei and Taiwan Power Co., a

government utility.

Mr. Lee and his family were said to have good comections within the Kuominlang, Taiwan's rul-

"Mr. Lee was a very important man in Taiwan." said Andrew Cheng, assistant vice president of Kuang Hua Securities Investment & Trust Co., a mutual fund management company where Mr. Lee served on the board. Mr. Cheng said Mr. Lee was still on the Kuang Hua board but was oot active.

Kwang Hua is 70 percent locally owned. The other 30 percent is held by Interallianz Bank Zurich, Hoare Govett Asia Ltd., and MIM (Asia Pacific) Holding Ltd., a subsidiary of the U.S.-based Aetna Life & Casualty Co.

Mr. Lee has a bachelor of law degree from National Chengchi University in Taipei, a master of business administration degree from the University of the Chemical Chemical Chemical Chemical Chemical Chemical Chemical Chemi versity of San Francisco and a doctorate in educational policy from the University of Oregon.

Mr. Cheng said Mr. Lee was divorced and had children living in the United States.

"He has been selling his assets here," Mr. Cheng aid. "He has very little connection in Taiwan now." A Chinese acquaintance in Taiwan described Mr. Lee as "a roving investor, someooe who likes to live the easy life." A foreign analyst in Taipei, who said he knew

Mr. Lee by reputation only, said the investor cultivated an interest in the Buddhist religion. "He would try to get his investment banker friends in New York to practice Buddhism," the analyst said. (NYT, IHT)

Dollar Mixed After New York **Profit-Taking**

NEW YORK - The dollar close on Tuesday. closed mixed Wednesday after ing mostly on profit-taking rather than renewed but modest central bank intervention.

Traders said that market participants began to speculate that the dollar's two-week rally was ending and decided to pocket their profits. Rumors that the Federal Reserve System was selling dollars and buying yen were not corroborated by major New York dealers, but they helped to undercut enthusiasm for

The dollar gained 1.38 yen to 134.03 yen before the wave of sales left it unchanged on the Tuesday close of 132.65. The dollar had also risen to 1.8325 Deutsche marks, up 1.05 DM, before it slipped hack to 1.8200, just below the 1.8220 DM

finish on Tuesday.

The selling pushed the dollar below the closing levels from London, where the currency had soared 2.25

pfennig and nearly 3 ven from the

The central bank dollar sales surging to new eight-month highs during European tradiog were in New York and Europe, retreat-moderate and had little impact, analysts said. Over the whole day, they said, the Fed and the Bank of Japan were notably absent.

On Tuesday, seven European central banks intervened to slow the dollar's rise, fearing that a strong dollar would boost import prices and raise inflation in their countries. But the dollar rebounded in New York, and then re-mained steady despite reported intervention by the Fed.

"Bank interventioo hasn't changed the direction of the market, but there was a note of caution after yesterday's volatility and evervone kept a wary eye on the central banks," a dealer for a U.S. bank said.

For much of the New York trading day, market participants were pushing the dollar against the 1.83

See DOLLAR, Page 17

U.S. Leading Indicators Post 0.1% Drop in May

overnment said Wednesday that the index of leading economic iodicators, its chief economic forecasting gauge, edged down 0.1 percent in May, the first setback since a 0.2 percent drop in January. At the same time, however, the

Commerce Department revised its estimate of April's leading index to show a gain of 0.5 percent, instead of the 0.2 percent reported earlier. Analysts said that even with the slight setback in May, which had

been expected, the gauge is still signaling that the economy is on an upward trend. Last week, the Reagan administration boosted its growth rate

forecast for 1988 gross national product to 3 percent, well above the than the index suggests because 2.4 percent it predicted in Februmuch of the growth has come from

Falling stock prices were the big-gest brake on the May index. With-"will continue to move us along for ont a 2.5 percent decline in Stan- the rest of the year," he said.

The Associated Press dard & Poor's 500-stock WASHINGTON — The U.S. compilation, the leading index would have registered a 0.1 percent increase for the month.

After stocks, the biggest negative factors were a drop in plant and equipment orders, a rise in unemployment claims, a drop in the

length of the average workweek and a fall in huilding permits.

Four of the available nine indicators made positive contributions to the index, the best being a slowdown in suppliers' deliveries. This

is seen as a sign of rising demand. Others were a rise in manufacturers' orders for consumer goods, a rise in raw-materials prices and an increase in the money supply.

Michael Evans, head of a Washington economic consulting firm, said the economy is doing better a surge in exports, which the index

tions across the country. Assembly operations now in Brooklyn are to be consolidated in Ponghkeepsie. EC Push for Monetary Union Seen Foundering on Differences

HANNOVER, West Germany - The Euwork force at its corporate head- ropean Community's proposed study on furquarters in Westchester County, ther monetary union is unlikely to yield radical reforms because of deep differences over Those who choose to retire or how far such integration should go, accord- far," Mr. Delors conceded at a news conferleave the company will be provided ing to many bankers and analysts.

The EC summit meeting that ended here certain is that all want progress." The company said the account- on Tuesday agreed to create a committee of ing rule that would mitigate most central bank chiefs and ontside experts to of the charges associated with the study concrete steps towards "economic and consolidation relates to the treatmonetary union." The chairman is to be ment of deferred taxes under the Jacques Delors, president of the EC's Executive Manager of Bellows Agreement of the EC's Executive Manager of the control it.

The differences focus in particular on which provides the creation of whether such a union implies the creation of a single European currency and some kind of central bank to control it.

Prime Minister Wilfried Martens of Bellows Agreement of the EC's Executive Manager of the Control it.

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diverging views over the precise meaning of that phrase — a goal enshrined in a 1985 update of the EC's founding treaty.

of a European Community central bank. President François Mitterrand of François dan economic and monetary union in "Some wanted to go far and others less plied a strengthening and extension of the

ence after the two-day summit. "What is

gium told journalists that a majority of mem- achieve union and you certainly don't need a

President François Mitterrand of France said an economic and monetary union im-

role of the European currency unit. "What does that mean if oot that a central organism is needed to manage it?" he asked.

But the 12 leaders' discussions underlined ber states favored the eventual establishment central bank," Mrs. Thatcher said at a news

Mrs. Thatcher is already blamed by many of her partners for holding up further monetary integration through her refusal to make the pound a full member of the European Monetary System, a sliding grid of exchange rates, until she considers "the time is right."

Ecocomists said fixed exchange rates would be an integral part of any full economic and monetary union. But Mrs. Thatcher, noting that EMS parities had been periodi-

See EC, Page 17

Fiat Plans Sale of Stake in Westland

1.2781 1.2796 1.4791 1.4936

that the diversified group no longer considered its Westland sharehold. ing as strategic, and that talks to licopters, combined with the imcopters, sell it should be completed by the end of the year, Renters reported.

part of a plan to rescue the company. The move pitted the companies against a rival, all-European investor group and generated a political

United Technologies currently owns 15 percent of Westland. The Fist announcement came after reports that Britain's sole remaining helicopter company faces an order-book crisis that could last at least until the early 1990s.

Mike Tampin, an aerospace analyst with the London brokerage, Hoare Govett Ltd., said: "Fiat its stake because things haven't and commodity and international on the New York Stock Exchange. quite worked out as expected."

he noted, though the company re-cently had an order from Britain for its Lynx helicopters. "But if Fiat does sell its stake to

Flat could obtain, at most, £10 million (\$17.2 million) for its holding. A Fiat spokesman in Turin said, The original plans for industrial synergy were not realized," Renters

reported.

Spokesmen were asked to comment on the matter after Giovanni Agnelli, Fiat's chairman, said the group had no current plans for major ventures in Britain, and added that a "disengagement from Westland seems more probable." One of the spokesmen said Unit-

By Warren Getler ed Technologies already had an opinternational Herald Tribune non to buy Fiat's stake in WestLONDON—Fiat SpA is negotiating the sale of its 21.78 percent in London, a Westland spokes fore exceptional provisions fell to

stake in Westland Group PLC, the man said the talks between Fiat £13.1 million in the six months end-British helicopter manufacturer, to and United Technologies did not United Technologies Corp. of the directly concern Westland. "We've United States, the companies said had very good relations with both Vednesday. companies," he added. "I don't from delays on delivery of its Sea In Turin, Fiat spokesmen said quite understand what lack of syn- King helicopters to the Indian govergy Fiat is talking about."
Slack demand for Westland's be-

King helicopters to the Indian government and from production de-lays of its new EH-101 naval heli-

Fiat and United Technologies bought into Westland in 1986 as McGraw-Hill to Split Into 3 Firms

NEW YORK - McGraw-Hill Inc. said Wednesday it will reorganize its operations into three oew companies on Friday.

The first of these is McGraw-Hill Publishing Co., which will include the education, international, consumer and professional book operations, Business Week magazine, and four television stations.

Co., which includes Standard & seems to be negotiating the sale of Poor's Corp., Data Resources Inc., cents to \$57.50 a share Wednesday

trade and logistics management services, the company said. The third company, McGraw

reorganized its operations into two

Société Anonyme 2, boulevard Royal

R.C. Luxembourg B - 20058

SCI/TECH S.A. will pay a dividend of US\$ 0.05 per share

on June 30, 1988 to shareholders registered at close of business on June 24, 1988.



Designs on time

Individually made with a degree of skill and care that belongs to a former time, Corum Watches carry design into the

The Admiral's Cup epitomises this with unusual twelvesided case and the original decoration of enamelled nautical pennants denoting the hours on the watch face.

For a brochure write to Corum, 2301 La Chaux-de-Fonds, Switzerland

7.22 6.38 6.70 7.35 7.40 17½ 71½ 18½ 9 19% 17% 9 11/14 9 11/14

Source: Merrill Lynch, Telerale **Gold**

7% - 7% 7% - 7% 7% - 7%

Telerate interest Rate Index: 7.418

Helicopter sales have been flat,

UTC, I don't see any major implica-tions for Westland. UTC is likely to remain a supportive investor," Mr. Tampin added. He estimated that

Hill Information Services Co., includes the company's construction, computer and communications, legal, aerospace and defense, health care and other industry groups.

A month ago, Macmillan Inc., another diversified U.S. publisher,

The second company is companies as part of a move to McGraw-Hill Financial Services deter a takeover hid. McGraw-Hill's stock fell 50

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DIVIDEND ANNOUNCEMENT

Shares will be traded ex-dividend after June 24, 1988.

The Board of Directors

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NYSE Highs-Lows

Drug Makers Seeking Hair-Growth Product

Hair-Growth Product

United Press International

PITTSBURGH — Proanagen Corp., a startup pharmaceuticals firm, said it has signed a joint product development agreement with Schering-Plough Corp. and Shiscido Co. of Japan to create a hair-growth product. Details of the accord were not disclosed.

Proanagen was launched in early 1987 to develop the hair product, Rick Lufkin, vice president of operations, said Tuesday. The investors have a promising but unproven substance for application to bald heads, he said.

Dr. Ken Hashimoto, head of Wayne State University's dermatology department in Detroit, has developed a form of the drog diazoxide—a blood pressure drug with the side effect of increasing hair growth—to be applied to the skin, Mr. Lufkin said.

Schering-Plough markets diazoxide under the name Hyperstat as an emergency relief for high blood pressure, Mr. Lufkin said.

Shiseido, a Tokyo cosmetics manufacturer,

Shiseido, a Tokyo cosmetics manufacturer, has applied for international patents to cover the new product, Mr. Lufkin said. Schering-Plough has an option to license the product and sell in through its own sales force.

Upjohn Co., another U.S. pharmaceuticals maker, already has created an adaptation of a high-pressure drug to counteract baldness. Its product is called minoxidil and is marketed under the trade name Rogaine.

Yugo Gives U.S Rebates

The Associated Press

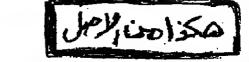
The Associated Press

DETROIT — Yugo American, a unit of the Yugoslavian car maker, said that starting Wednesday it is offering U.S. buyers rebates of up to 17 percent on its cars.

William E. Prior, president of Yugo American, said buyers will receive \$750, either in cash or toward downpayments on the vehicles. That is a 17 percent rebate on the basic \$4,349 Yugo GV and 16 percent on the \$4,599 GVL.

Sales of the Yugo, which climbed after introduction in the United States in August 1985 at a base price of \$3,990, have sagged this year.

Yugo reported selling 2,510 cars in May, a 39 percent drop from 4,111 a year ago. For the first five months of 1988, the company sold 14,531 cars, down 35 percent from 22,272 in the first five months of 1987.



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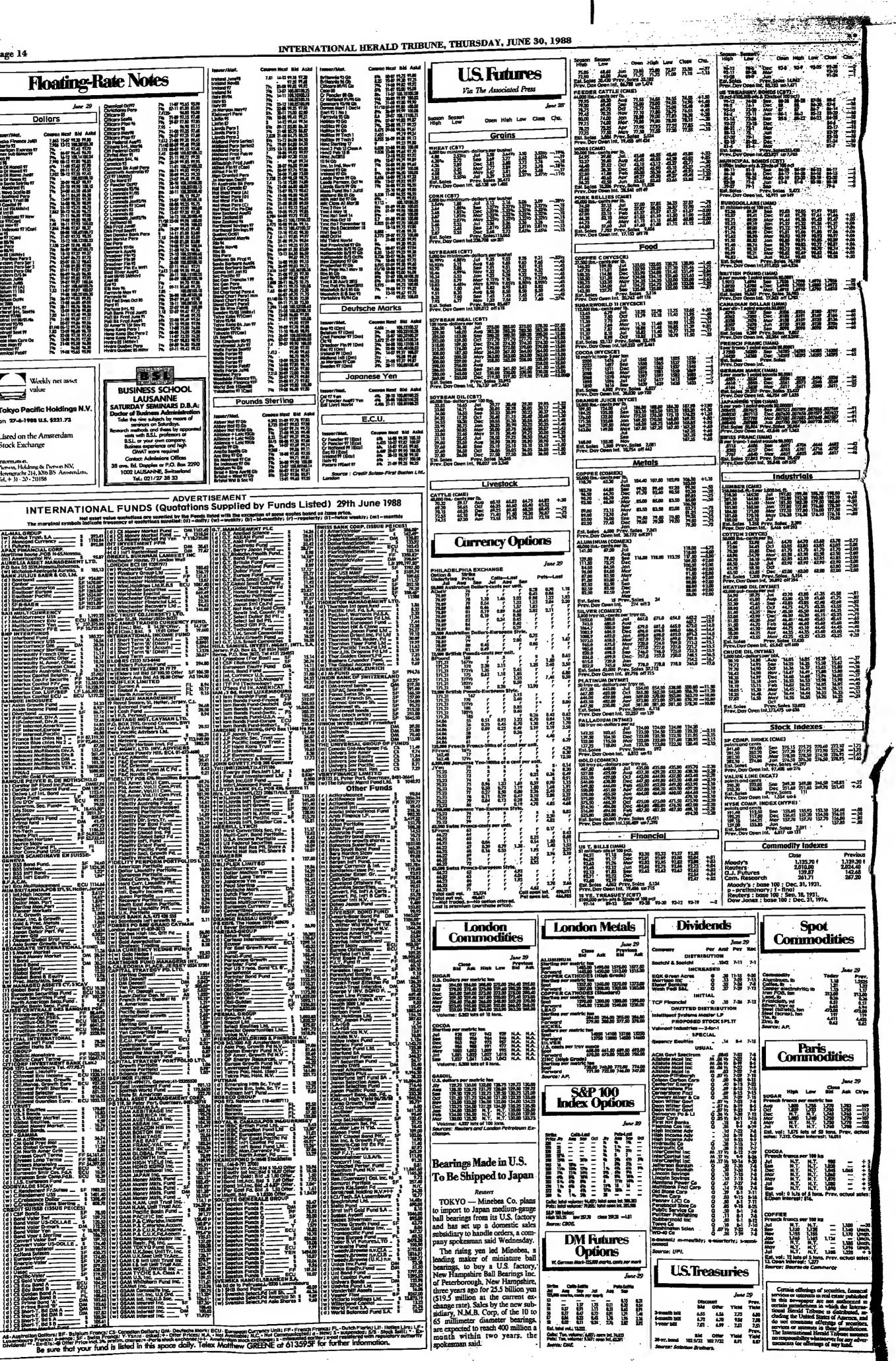
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Page 14

Floating-Rate Notes

Keeps Unsold Fiat Shares

:he Bank successful i for Fiat mesday that p its unsold investment Giovanni A2es represented a in the Italian e Deutsche Bank .d \$500 million.

In late September 1986, Deutsche Bank was responsible for organizing an international placement of a 15 percent stake in Fiat sold by Libya. At the time, the stake was valued at \$2.1 billing and was the largest international share placement ever undertaken.

Largely because the Fiat share price declined sharply on the Milan Bourse after the sale was announced, and because of concern over the terms, the sbare offering

n-EMI Profit Up Sharply Slightly Lower Revenue

NDON - Thora-EMI PLC. aajor British electronics and cording group, said Wednesday at its pretax profit for the year ided March 31 rose 41 percent om a year earlier, to £225.3 milon (about \$387.3 million).

But Thorn said revenue for the ear fell nearly 5 percent, to £3.05 sillion, mainly because of disconinued husinesses. Last year, Thorn old its appliances husiness to AB Electrolux of Sweden for about £44

"These results show that we have fundamentally improved our posi-tion by every measure of financial performance," said Graham Wilkens, Thorn's chairman.

The company said after-tax prof-

it rose to £146.3 million from £102.5 million. Earnings per share, on a fully-diluted basis, were 50.1 pence, compared with 42.1 pence. Thorn said it would pay a final dividend of 16 pence a share, making a total for the year of 22 pence, against 18.5 pence the previous

Thorn said profits were up for the third year in a row at its EMI

Recent acquisitions in the United States and in Europe added to Thorn's television sales and rental husiness as well as its video and electrical-products operations, the company said.

Profit from Thorn's British opertions, including exports, was received a lukewarm response from international investors. After the first week, an estimated 25 percent of the common stock remained unsold, and about 70 percent of the preferred and savings shares.

Fiat's common shares have fall-en to 9,289 lire (about \$6.85) from 16,600 at the time of the offering. although some of that decrease reflects additions to its share capital.

When the offering began, Deutsche Bank took responsibility Ior elling a 4.2 percent stake, valued at \$600 million. Since then, however, the dollar has mostly declined against the lire, inflating the current value of the 2.5 percent stake given in the U.S. currency.

"Deutsche Bank has decided to consider these shares as a long-term stake and to hold on to them," a Deutsche Bank spokesman said in answer to a query. He declined to confirm the size of the stake.

Nissan Targets Europe

Agence France Presse

LONDON - Nissan UK Ltd., a subsidiary of the Japanese car maker, said Wednesday it would export to the rest of Europe its Bluebird models huilt in Sunderland, En-

gland, beginning October. The company said it will ship 10,000 Bluebirds to the continent before the end of the year, with exports rising progressively to mans International, and major 100,000 in 1992. Nissan expects to stakes in such brand names as Carproduce 50,000 Bluebirds at Sunderland this year.

Euroc to Sell **Building Unit**

STOCKHOLM - Euroc AB, the Swedish construction and cement company, said Wednesday it had agreed to sell its building equipment subsidiary. Dynapac, to Componenta Klista AB for 500 million kronor (\$80.4 million).

Euroc said it would realize a profit of 165 million kronor through the deal. It forecast buoyant results for 1988, after a 69 percent rise in 1987 profit to 467 million kronor but did not give a 1988 figure.

Dynapac accounted for 20 percent of Euroc's revenue last

Blue Arrow's Profit Rose 450 Percent in First Half

Agence France-Presse

LONDON - Blue Arrow PLC, the British employment agency and financial services group, said Wednesday its prejax profit rose 450 percent in the six months ended in April, largely because of its acquisition of Manpower Inc., the U.S. temporary-work company.

Blue Arrow said its income rose to £28 million (\$48.1 million) from £5.11 million in the first half of the previous year. It bought Manpower for £1.3 hillion in September Half-year sales were seven times

lion, the company said. That revenue was well above sales of £406 million for the whole 1986-87 fi-

Per-share income for the period rose to 2.4 pence from 1.7 pence in the previous year.

Blue Arrow said it has recommended an interim dividend of sixtenths of a penny per share, up from two-tenths of a penny the

Manpower posted encouragin results in the United States and Japan, while its British branches showed record profits. Manpower is the world's larges

temporary-services company. The Blue Arrow takeover, or higher than a year earlier, at sweetened terms, was approved af-£619.71 million against £90.78 mil- ter Adia SA of Switzerland, the world's second-higgest such company, decided against an arrange ment with Manpower to thwart the British hid.

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The Quarterly Report as of 31st March 1988 h

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Rembrandt Sets Europe Unit

JOHANNESBURG - Rembrandt Group, the South Africanbased multinational, said Wednesday that it plans to group its foreign operations in a new holding company to be listed on a European stock exchange.

The group, set up in 1946 as a manufacturer of tobacco and cigarettes, has large interests in a wide range of services and industries. Rembrandt said its new European holding company would position the group to take advantage of the unified European market planned for 1992 and would give it

access to European capital. Remhrandt's foreign interests Johan Rupert, son of the Reminclude a 30 percent stake in Rothbrandt founder, Anton Rupert, denied that the reorganization was aimed at disguising the group's South African base. tier-Monde, Piaget, Dunhill, Ca-

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2) electric distribution material (transformers, electric network and connection sup-plies) preferably from Arab, African or Arab-African ori-

can be callected from the JRAMA - Direction de l'Équipe-ment Électricité, 13, Rue Robezavana, Anatananarivo (101), Madogascar. Tel.: 268.68. Telex: 222.35.

The date of presen documents is August 26, 1988, at last.

MOËT HENNESSY . LOUIS VUI

At its Annual Meeting of Shareholders held on 23rd June 1988, the management of LVMH Moët Hennessy Louis Vuitton reported strong interim sales progress and forecast a solid performance for 1988.

Management reported that net sales through the first five months of 1988 were running 28% ahead of the prior year level, with the best gains coming in the Cognac and Luggage sectors. Joint distribution since July 1987 of LVMH and Guinness products, particularly by Jardine Wines and Spirits in Japan, also had a strong positive impact on re-

ported sales growth through the first five months of 1988: this impact will diminish over the balance of the year, as second half results for both vears will reflect the benefits of this agreement. For the full year, sales are expected to show an increase of approximately 20% over the 1987 level of FF 13.2 billion and profits are expected to increase at a greater rate.

Shareholders approved all proposed resolutions, including a 1987 dividend of FF 32 per share, before "Avoir Fiscal" tax credit; the 1987 dividend represents a 28% increase over the prior year level.

LVMH FORECASTS STRONG GROWTH FOR 1988

INSIDER: Inquiry Broadens to Taiwan Investor's Accounts at 6 Firms

(Continued from first finance page) information on the planning for 25 roposed takeovers in which Moran Stanley was an adviser. Mr. Lee earned at least \$19 million rading on this information, between July 1987 and April 1988, the

A federal judge froze the assets of Mr. Lee and Mr. Wang on Monday after Mr. Lee was reported to have tried to transfer about \$5 mil-

lion out of the United States. On Tuesday, Mr. Lee's lawyer, Michael F. Perlis, denied his client's trades had broken securities laws. Mr. Perlis, in a telephone interview from his Los Angeles office, said: "They want to make him out to be another Ivan Boesky, hut he's far from that."

Mr. Perlis also asserted, "Mr. Lee may himself have been a victim

of a scam by Mr. Wang." Meanwhile, there were other developments in the case. Ouestions were raised about whether Morgan Stanley failed to act properly when it discovered some of Mr. Lee's rading in takeover stocks,

Morgan Stanley officials asked Mr. Lee about nine trades and were told that he was following Wall Street rumors or news reports, sources close to the firm said. Accepting this answer, Morgan Stanley did not report the trades to the

Many accounts for which Mr. Lee traded were those of friends, family and husiness associates. Those accounts were also frozen Monday by the court.

In addition, there were indications that investigators are still probing for the involvement of others in the case. Both the SEC and the New York Stock Exchange, which has regulatory authority, are combing through documents and account records,

Mr. Wang has not commented.

on the charges.

The SEC said in its court documents that the case broke dramatically last Friday in Hong Kong, where its lawyers were questioning Mr. Lee. During the questioning, trades under examination.

Mr. Perlis, Mr. Lee's lawyer, said his client was now "somewhere in the Far East." The lawver said Mr. Lee would now mount a defense based on the notion that what Mr. Wang told Mr. Lee was already publicly known and referred to akeover deals already disclosed.

Mr. Perlis also said that Mr. Lee earned \$7 million from the trades being questioned, and that after osses, he netted just \$2 million. The lawyer said Mr. Lee would not dispute that he made the questioned trades.

From Mr. Perlis's comments it Mr. Lee to settle the charges for far curate details about his hack-less than \$19 million. The SEC ground. sought the repayment of the \$19
million it said was earned illegally
and triple damages, or \$57 million.

The resume said he gra
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permitted under the law. outside Morgan Stanley may have said that, it is a lie," said William Mr. Lee conceded that be had spo- been more important to the SEC's Fierke, the registrar.

ken with Mr. Wang about the stock case. Officials with knowledge of the records said that Mr. Lee's Morgan Stanley accounts showed about \$2.8 million in profitable trades and \$600,000 in losses, a net \$2.2 million gain.

valla and Carling O'Keefe.

Those figures do not include his trading-at accounts at the other firms, however. For instance, Mr. Lee traded in the stocks of E-II Holdings Inc. and Staley Continental Inc., two of the 25 issues isted in the SEC's complaint, through an account at Merrill Lynch, sources close to the investigation said.

In another development, officials at the University of Illinois at Urbana-Champaign indicated that appeared that his strategy may sim-a resume Mr. Wang circulated on ply be to persuade the SEC to allow Wall Street last year provided inac-

The resume said he graduated magna cum laude with a degree in School officials said Tuesday But there were indications that that their records showed Mr. the trading in the other accounts Wang had not graduated. "If he

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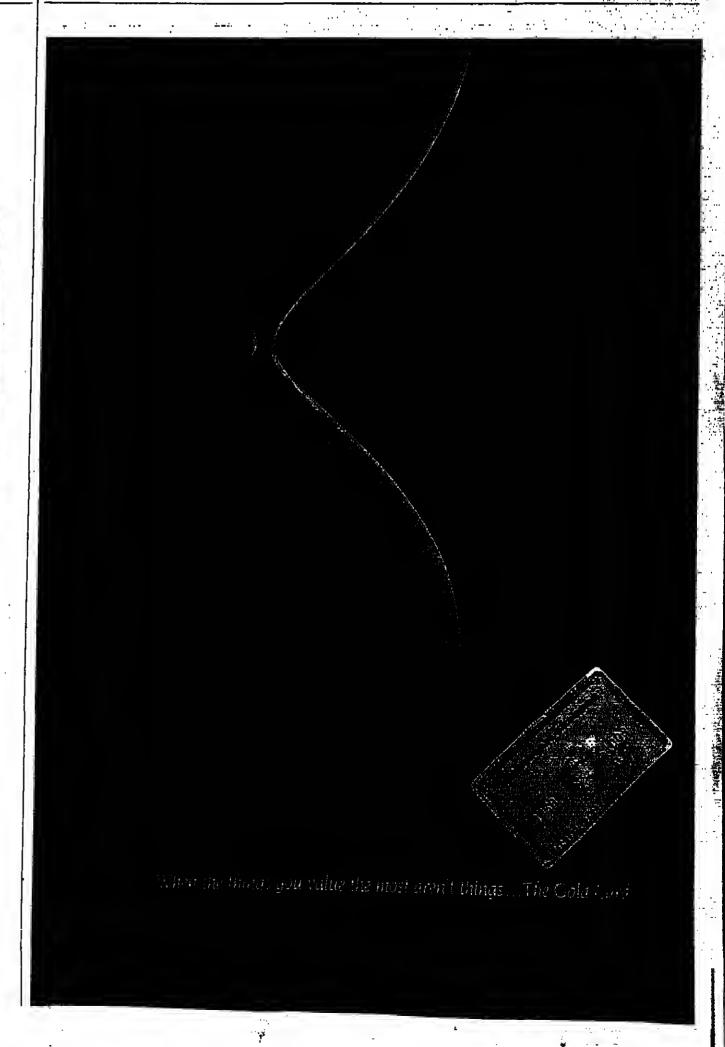
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WARM TO THE EXPERIENCE

LLAR: Currency Mixed After N.Y. Profit-Taking

ner, where selling resisd been emerging. Com-at midday, Radhika Goof Manufacturers Trust Co. said that the "doesn't seem to be ex-

however, when the dollar DM, the selling acceler-

... r had also expected, corat the dollar would enelling pressure at around

& currency, however, rose Swiss francs in New York)65 on Tuesday and to each francs from 6.1390. British pound climbed to om \$1.7090.

pe, the Bundesbank sold around 1.8230 DM. West lealers said, and the Swiss rian central banks said sold the U.S. currency. of Italy was also reported

tervened. these moves, the dollar rply higher in London at Vi; from 1.8070 on Tues-3.70 yen, from 130.75; at riss francs from 1.4965:

1595 French francs after itish pound also slipped the U.S. currency, to

om \$1.7190. s said the markets were n the Bank of Japan and esbank for dollar direccet participants are trying the Japanese governtentions on dollar interand are waiting for an exst German discount rate 2.5 percent to bolster the

rark and curb anticipated

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The markets are specifically waiting for chues from a Bundesbank meeting on Thursday, when its policy-making central bank council is to discuss monetary

Source : Repters

The prospect of the Bundesbank lifting its discount rate, after hiking a key money market rate last week. raises the question of whether the Fed will feel pressure to join other European countries and tighten its

rates, analysts said.

ager at a major Japanese bank This may help curb the dollar from being pushed higher."

But others expect a buoyant but

not inflationary U.S. economy to attract foreign funds into American stocks and bonds.

"The number of dollar buyers, in particular importers and institutional investors, is definitely larger than sellers for the moment," one

analysı said. Meanwhile, Japanese officials have given mixed signals about the dollar in public statements this

The finance minister, Kiichi Miyazawa, said he saw no immediate need to follow European central banks in the foreign exchange

markets. But the Bank of Japan governor, Satoshi Sumita, said he did not "Inflationary fears in the U.S. expect the dollar to continue its seem to have subsided somewhat, which will prevent U.S. interest would consider currency stabilizing rates from rising," said a fund man-

BoJ Might Brake Yen Fall

Compiled by Our Staff From Dispatches

TOKYO - The Bank of Japan would take "strong measures" if the dollar's rise were to continue uninterrupted against the yea, the governor of the central bank said Wednesday, but he added that he did not expect this to happen.

The governor, Satoshi Somita, said the Japanese central bank would take appropriate measures to stabilize currencies if needed. He did not say at what level the bank would intervene in the market

by selling dollars. "The dollar will not surge straight up," Mr. Sumita said. "I don't think the market situation has basically changed."

The dollar's current strength is a short-term phenomenon and the yen would not fall sharply because Japanese economic fundamentals

have been strong, he added. Mr. Sumita stressed that the United States did not want a strong dollar because that would undermine efforts to reduce the U.S. trade

and budget deficits.

Behind the recent rise of the dollar against the yen was market recognition of the improvement in the U.S. trade imbalance and other economic fundamentals there, Mr. Sumita said. But he asserted that fears of an excessively strong dollar would

check the currency's rise. The central bank head dismissed the latest surge to speculative buying without foundation, following the dollar's rise against the Deutsche mark.

(AFP, Reuters) (AFP, Reuters)

Sales by Central Banks Appeared to Lack Coordination

By Jonathan Fuerbringer

New York Times Service
NEW YORK — The dollar's ability to ride out two days of intervention by eight European central banks has prompted suggestions in the market that the European banks are not coordi-

nating policy with the United States and Japan. This, in turn, has led to questions about a possible split over policy among the Group of Seven industrial nations. But on Tuesday and Wednesday, as the dollar hit a new high for the year against the yen and reclaimed lost ground against the Deutsche mark, there were no offi-

The dollar selling on Tuesday by the central banks, led by the Bundesbank of West Germany, represented their most concerted interven-

In addition to the Bundesbank, central banks in Switzerland, Italy, Belgium, Britain, Spain, Austria and France have intervened in the market by selling dollars. The Swiss, French, Austrian and Belgian central banks confirmed their intervention in an effort to increase the impact.

Traders were quick during the afternoon to point out what they interpreted as a possible split between the Europeans, especially West Germany, and the United States and Japan.

For the last week, the Japanese have appeared to he on a different course from the

tion during the dollar's current rally. On Mon-day, and again Tuesday, the Federal Reserve sold modest amounts of dollars.

encouraged it with some public comments, the Bundesbank has been tilting against it with regular dollar sales.

According to economists, the Japanese are much better prepared to deal with a stronger dollar, while the West Germans are extremely worried about the increase in inflation that would be touched off by a decline in the mark's

Traders and economists have also suggested that the Reagan administration favors the dollar increase because it would help moderate inflation and relieve some pressure on rising interest rates in an election year.

Some currency traders said the dollar selling

Further Dollar Rise Seen Upsetting Japan

the dollar's rise above 130 year, but a further rapid appreciation could lead to serious problems for inflation and world trade, government and central bank economists said.

حكذاهن المولم

"If it rushed up to 135 yen and threatened to go further, inflation- yen would raise wholesale prices by ary expectations might arise," a central bank economist said.

Japan would find it difficult to surplus if the dollar moved up to- of Japan economist said,

against the dollar would boost the prices of imports priced in the U.S. currency and could cause domestic Japanese companies to raise their prices in line. More expensive imports and cheaper Japanese exports would tend to widen the trade gap.

Economists in Japan have predicted that consumer prices will be rising by 1.5 percent to 2 percent in December from year-earlier levels.

The Organization for Economie Cooperation and Development. meanwhile, is expecting Japan's trade surplus to decline modestly this year, to \$94.75 billion from \$96.4 billion last year.

"I feel the ceiling for the dollar will be 134/135 year," a senior gov-

ernment economist said. He said he expected the strength of the dollar to last only for two or three months before the currency starts heading down again. "Unless it lasts more than six months, it is

all right," he said. A senior Bank of Japan official said earlier this morning that he the issue. was concerned about the speed of the dollar's rise but not yet dis-

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TOKYO — Japan can tolerate ters, it is the speed," the central "It is not only the level that mat- prices, relative growth rates and the

accumulated assets and debts of bank economist said. pig pations A rapid rise in the dollar might Nevertheless, senior economists at the agency made it clear that persuade manufacturers to boost prices, fanning inflation, he said. A they favored a dollar at the buttom 10 yen rise in the dollar from 125 of that range, or even below it. "If the dollar is at 140 yen, Japa-

about 1 percent, he added. While that rise might not seem like a big change, the central bank's restrain inflation and ensure a con- current monetary stance presuptinned drop in its massive trade poses very stable prices, the Bank

process." Japanese exports have been ward 140 yen, they said.

The dollar closed in Tokyo on Wednesday at 132.40 yen.

Economists from the governments of capital goods to the Common delivery of the government and the government are sometimes of capital goods to the Common delivery of the government are sometimes at 132.40 yen.

Economists from the governments of capital goods to the Common delivery of the government are sometimes at 132.40 yen. boosted in recent months by ship plants to meet increased demand for U.S. exports. But one central 130 to 140 yen, using economic for U.S. exports. But one central models based on a range of factors, bank economist said this trend will including industrial commodity probably end during the summer.

nese exports will increase," one

high a dollar or too low a yen can hinder the structural adjustment

premment economist said. "Too

EC: Poor Outlook for Money Union

(Continued from first finance page) banking system, so they will have to look at that too," said one. cally realigned, said currency rates

could not be fixed irrevocably. British officials said Mrs. Thatcher did not oppose considering limited measures to strengthen monetary cooperation. These might include increasing the role of the ECU and augmenting the amount of foreign EC currencies held by community central banks.

it was largely her opposition that ensured that no reference to a central bank appeared in the mandate

given to the new committee. But EC officials said the study would inevitably have to address

"You can't really have an economic and monetary union without some sort of community central

ministers for scrutiny before the leaders discuss them at a summit meeting in Madrid in next June. Analysts said the study was like

The Delors-led group will pre-

sent its proposals to EC finance

ly to propose a range of options for further progress towards union, rather than deciding on one set of

concrete steps.

Mr. Delors, a former French finance minister, is himself is a staunch advocate of further economic and monetary integration. But some analysis said that even

central bankers from countries whose governments publicly favor some kind of central bank eventually were likely to he cautious, because of national sovereignty is-

Wednesdays

t. compiled by the AP, consists of the 1,000 traded securities in terms of dellar value, it is updated twice a year. Via The Associated Press

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West Germans. While the Japanese have not has been ill-timed, coming at a point when there stood in the way of the dollar rise, and even is still a strong appetite for the dollar. Low 4 P.A. Cirys 1 - 108 504 80 35 18 55 30 1.1 9 144 04 1.7 21 979 30e 24 - 41 40 24 - 41 40 59 - 91 56 29 11 589 127h 13 — Va 2274 2274 — Va 2676 2676 — Va 37m 37m 37m + Va 117a 117a — Va 157a 157a — Va

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LLAR: Currency Mixed After N.Y. Profit-Taking

ner, where selling resisd been emerging. Com-at midday, Radhika Goof Manufacturers Trust Co. said that the "doesn't seem to be ex-

however, when the dollar DM, the selling acceler-

... r had also expected, corat the dollar would enelling pressure at around

& currency, however, rose Swiss francs in New York)65 on Tuesday and to each francs from 6.1390. British pound climbed to om \$1.7090.

pe, the Bundesbank sold around 1.8230 DM. West lealers said, and the Swiss rian central banks said sold the U.S. currency. of Italy was also reported

tervened. these moves, the dollar rply higher in London at Vi; from 1.8070 on Tues-3.70 yen, from 130.75; at riss francs from 1.4965:

1595 French francs after itish pound also slipped the U.S. currency, to

om \$1.7190. s said the markets were n the Bank of Japan and esbank for dollar direccet participants are trying the Japanese governtentions on dollar interand are waiting for an exst German discount rate 2.5 percent to bolster the

rark and curb anticipated

London Dollar Rates Tue. Devische mark Pound starting Japanese yen Swiss franc Franch franc 1,8255 7,7046 133,78 1,5150 6,1595 1.8070 1.7790 138.75 1.4965 6.0825

The markets are specifically waiting for chues from a Bundesbank meeting on Thursday, when its policy-making central bank council is to discuss monetary

Source : Repters

The prospect of the Bundesbank lifting its discount rate, after hiking a key money market rate last week. raises the question of whether the Fed will feel pressure to join other European countries and tighten its

rates, analysts said.

ager at a major Japanese bank This may help curb the dollar from being pushed higher."

But others expect a buoyant but

not inflationary U.S. economy to attract foreign funds into American stocks and bonds.

"The number of dollar buyers, in particular importers and institutional investors, is definitely larger than sellers for the moment," one

analysı said. Meanwhile, Japanese officials have given mixed signals about the dollar in public statements this

The finance minister, Kiichi Miyazawa, said he saw no immediate need to follow European central banks in the foreign exchange

markets. But the Bank of Japan governor, Satoshi Sumita, said he did not "Inflationary fears in the U.S. expect the dollar to continue its seem to have subsided somewhat, which will prevent U.S. interest would consider currency stabilizing rates from rising," said a fund man-

BoJ Might Brake Yen Fall

Compiled by Our Staff From Dispatches

TOKYO - The Bank of Japan would take "strong measures" if the dollar's rise were to continue uninterrupted against the yea, the governor of the central bank said Wednesday, but he added that he did not expect this to happen.

The governor, Satoshi Somita, said the Japanese central bank would take appropriate measures to stabilize currencies if needed. He did not say at what level the bank would intervene in the market

by selling dollars. "The dollar will not surge straight up," Mr. Sumita said. "I don't think the market situation has basically changed."

The dollar's current strength is a short-term phenomenon and the yen would not fall sharply because Japanese economic fundamentals

have been strong, he added. Mr. Sumita stressed that the United States did not want a strong dollar because that would undermine efforts to reduce the U.S. trade

and budget deficits.

Behind the recent rise of the dollar against the yen was market recognition of the improvement in the U.S. trade imbalance and other economic fundamentals there, Mr. Sumita said. But he asserted that fears of an excessively strong dollar would

check the currency's rise. The central bank head dismissed the latest surge to speculative buying without foundation, following the dollar's rise against the Deutsche mark.

(AFP, Reuters) (AFP, Reuters)

Sales by Central Banks Appeared to Lack Coordination

By Jonathan Fuerbringer

New York Times Service
NEW YORK — The dollar's ability to ride out two days of intervention by eight European central banks has prompted suggestions in the market that the European banks are not coordi-

nating policy with the United States and Japan. This, in turn, has led to questions about a possible split over policy among the Group of Seven industrial nations. But on Tuesday and Wednesday, as the dollar hit a new high for the year against the yen and reclaimed lost ground against the Deutsche mark, there were no offi-

The dollar selling on Tuesday by the central banks, led by the Bundesbank of West Germany, represented their most concerted interven-

In addition to the Bundesbank, central banks in Switzerland, Italy, Belgium, Britain, Spain, Austria and France have intervened in the market by selling dollars. The Swiss, French, Austrian and Belgian central banks confirmed their intervention in an effort to increase the impact.

Traders were quick during the afternoon to point out what they interpreted as a possible split between the Europeans, especially West Germany, and the United States and Japan.

For the last week, the Japanese have appeared to he on a different course from the

tion during the dollar's current rally. On Mon-day, and again Tuesday, the Federal Reserve sold modest amounts of dollars.

encouraged it with some public comments, the Bundesbank has been tilting against it with regular dollar sales.

According to economists, the Japanese are much better prepared to deal with a stronger dollar, while the West Germans are extremely worried about the increase in inflation that would be touched off by a decline in the mark's

Traders and economists have also suggested that the Reagan administration favors the dollar increase because it would help moderate inflation and relieve some pressure on rising interest rates in an election year.

Some currency traders said the dollar selling

Further Dollar Rise Seen Upsetting Japan

the dollar's rise above 130 year, but a further rapid appreciation could lead to serious problems for inflation and world trade, government and central bank economists said.

حكذاهن المولم

"If it rushed up to 135 yen and threatened to go further, inflation- yen would raise wholesale prices by ary expectations might arise," a central bank economist said.

Japan would find it difficult to surplus if the dollar moved up to- of Japan economist said,

against the dollar would boost the prices of imports priced in the U.S. currency and could cause domestic Japanese companies to raise their prices in line. More expensive imports and cheaper Japanese exports would tend to widen the trade gap.

Economists in Japan have predicted that consumer prices will be rising by 1.5 percent to 2 percent in December from year-earlier levels.

The Organization for Economie Cooperation and Development. meanwhile, is expecting Japan's trade surplus to decline modestly this year, to \$94.75 billion from \$96.4 billion last year.

"I feel the ceiling for the dollar will be 134/135 year," a senior gov-

ernment economist said. He said he expected the strength of the dollar to last only for two or three months before the currency starts heading down again. "Unless it lasts more than six months, it is

all right," he said. A senior Bank of Japan official said earlier this morning that he the issue. was concerned about the speed of the dollar's rise but not yet dis-

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TOKYO — Japan can tolerate ters, it is the speed," the central "It is not only the level that mat- prices, relative growth rates and the

accumulated assets and debts of bank economist said. pig pations A rapid rise in the dollar might Nevertheless, senior economists at the agency made it clear that persuade manufacturers to boost prices, fanning inflation, he said. A they favored a dollar at the buttom 10 yen rise in the dollar from 125 of that range, or even below it. "If the dollar is at 140 yen, Japa-

about 1 percent, he added. While that rise might not seem like a big change, the central bank's restrain inflation and ensure a con- current monetary stance presuptinned drop in its massive trade poses very stable prices, the Bank

process." Japanese exports have been ward 140 yen, they said.

The dollar closed in Tokyo on Wednesday at 132.40 yen.

Economists from the governments of capital goods to the Common delivery of the government and the government are sometimes of capital goods to the Common delivery of the government are sometimes at 132.40 yen.

Economists from the governments of capital goods to the Common delivery of the government are sometimes at 132.40 yen. boosted in recent months by ship plants to meet increased demand for U.S. exports. But one central 130 to 140 yen, using economic for U.S. exports. But one central models based on a range of factors, bank economist said this trend will including industrial commodity probably end during the summer.

nese exports will increase," one

high a dollar or too low a yen can hinder the structural adjustment

premment economist said. "Too

EC: Poor Outlook for Money Union

(Continued from first finance page) banking system, so they will have to look at that too," said one. cally realigned, said currency rates

could not be fixed irrevocably. British officials said Mrs. Thatcher did not oppose considering limited measures to strengthen monetary cooperation. These might include increasing the role of the ECU and augmenting the amount of foreign EC currencies held by community central banks.

it was largely her opposition that ensured that no reference to a central bank appeared in the mandate

given to the new committee. But EC officials said the study would inevitably have to address

"You can't really have an economic and monetary union without some sort of community central

ministers for scrutiny before the leaders discuss them at a summit meeting in Madrid in next June. Analysts said the study was like

The Delors-led group will pre-

sent its proposals to EC finance

ly to propose a range of options for further progress towards union, rather than deciding on one set of

concrete steps.

Mr. Delors, a former French finance minister, is himself is a staunch advocate of further economic and monetary integration. But some analysis said that even

central bankers from countries whose governments publicly favor some kind of central bank eventually were likely to he cautious, because of national sovereignty is-

Wednesdays

t. compiled by the AP, consists of the 1,000 traded securities in terms of dellar value, it is updated twice a year. Via The Associated Press

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West Germans. While the Japanese have not has been ill-timed, coming at a point when there stood in the way of the dollar rise, and even is still a strong appetite for the dollar. Low 4 P.A. Cirys 1 - 108 504 80 35 18 55 30 1.1 9 144 04 1.7 21 979 30e 24 - 41 40 24 - 41 40 59 - 91 56 29 11 589 127h 13 — Va 2274 2274 — Va 2676 2676 — Va 37m 37m 37m + Va 117a 117a — Va 157a 157a — Va

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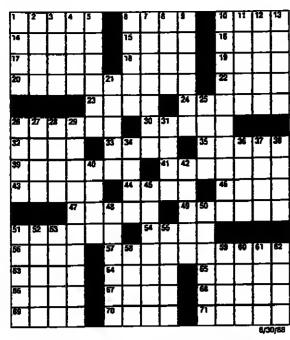
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62 Rate, in tennis O New York Times, edited by Eugene Maleska.

DENNIS THE MENACE



"WOW! IF I HAD ONE OF THOSE THINGS, I'LLBET I COULD SELLIT TO MR. WILSON PORA HUNNERD DOLLARS!



Jumbles: ENJOY MAXIM GRUBBY MOSQUE Answer: What they called that big silent elephants
A "MUM-BO JUMBO"

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JUNE! I WANT TO BE SURE THEY
KEEP HIM IN THE HOSPITAL FOR
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BOOKS

WHAT AMERICANS REALLY THINK AND WHY OUR POLITI-CIANS PAY NO ATTENTION

By Barry Sussman, 241 pages, \$17.95. Pantheon Books Inc., 201 East 50th Street. New York, N. Y. 10022.

Reviewed by Detlef D. Matthies

HERE has been a series of books pub-I lished to recent months on major players in Washington politics, written by White House insiders. Now, there is a book about another major player in national politics — us, the ordinary citizens, about what we think and how we interact with our national leadership.

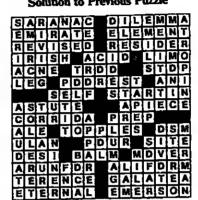
"What Americans Really Think" is a book about public opinion in this country and its effect on government policies; it was written by Barry Sussman, the founder of the Washington Post-ABC News Poll.

It is refreshing to be reminded that the public still has an effect on presidential politics. The upheavals in the Reagan administra-tion since the Iran-contra affair have many of us turning away from public affairs and have left us even more disenchanted and distrustful about our national leadership than before.

Mutual mistrust along with mutual influen-tial power is a major theme in Sussman's book. On the part of our leadership, there is a practice of talking down to the people and avoiding true debate, and in some instances, contemptuous disregard for the will of the people. On the part of the citizenry, Americans seem uninvolved, suspicious, ignorant when it comes 10 public affairs and "showing signs of life only when poked with a stick."

On a number of themes, however, Americans do have strong feelings and share agreement. Sussman compiles and documents a number of issues for which, he says, there is a consensus, a system of beliefs, goals and concerns particular to this country at this time, something that he calls the "public agenda."

Solution to Previous Puzzle



Sussman distills this agenda into a hig outional commandments and goals, namely Give us a decent, stable economy. · There shall be no more Vietnams.

This nation shall have a strong mile defense. There shall be a reduction in mac-

weaponty • Don't trifle with the Social Security sys

or Medicare. · Give the poor a fair chance at joinine mainstream of America.

· Let government spend what it take reduce crime and illegal drug usage.

• Restore cleanliness to the nation's air

· Strive for fairness and equity in gov ment and taxation.

 And above all, one maio request: Give decent, stable economy. if that list does not surprise you, do not reading, for the most fascinating chapter. Sussman's book outline the communica and interplay between that consensus of citizenry and the national leaders, the effer public opinion on government policies, an

turn, the changing views of the public.
Sussman documents a number of exwhere the national leaders attempted to against the public and consequently pa high price. For example, political observer, years considered Ronald Reagan's attempted May 1981 to cut Social Security benefits worst blunder as president. It met with sharp opposition from all age groups as Capitol Hill that Rengan was forced to down, becoming more wary of public on from then on.

Also, it was public opinion that can change in Reagan's position toward to Philippine President Ferdinand E. Mante nally pushing Marcos out of the Philippins was public opinion that stopped Reagan sending American troops into Nicarague it was the fear of a public backlash that is him to resort to secrecy in his dealings with the public backlash that is the public bac regime of the Avatollah Khomemi, an a so repugnant to ordinary Americans the could not have done it openly.

Scientific public opinion polling, as or and developed by George Gallup and a others just over 50 years ago, was intende-means of improving the machinery of de-racy. It was meant to be a denoter of tre-portrayer of division (or unity) in the co-nity, an early-warning system for dec makers and ordinary citizens alike.

"What Americans Really Think" lives those high goals. It is a compendium of good copinion polling at its best, an outline of themes and trends where statistics are grakingly documented but never get to the

Detlef D. Matthies is a staff member Los Angeles Times Poll,

BRIDGE

By Alan Truscott

AT the national champi-conship level, the number of generous defenders a declarer can expect to meet in a day's play is quite small. It therefore pays to assume that the opponents are acting in their best interests, and not in yours, an obvious fact that sometimes overlooked. When in doubt, a look back to the course taken by the defense will sometimes pro-

duce a clue along these lines. An example is the dia-Open Pair Championship during the recent Spring Nationals in Buffalo. It was noted by Judy Wadas, who sat West, as partner of June Deutsch.

South's one oo-trump response to the double suggested a hand in the 6-9 point range with a diamond stopper and no major-suit length. North raised aggressively to game and West led the diamond king. She had oo way to know that a black-suit lead would have put the defenders in the driver's seat.

Wadas shifted to her singletoo club, and South played the jack from the dummy. East won with the queen and led her remaining diamond, on which South played the jack. West won with the ace, and defended well Another diamond lead would have given South the opportunity to take two heart finesses. Instead West shifted to a spade, and South took the ace, queen and king, ending with the lead in his

hand in this position: LDVA <u>-</u>743 WEST EAST CK965 V 1042 SOUTH 0 0 8 0 0 8 0 0 8 0 0 9

South assumed, fatally, that West held a club honor as part of her opening bid. When he led that suit, planning a finesse, he could not recover. If South had considered the earlier defent REBOARD West had studiously at a heart lead and inster made risky leads in the

321 251.5

suits. The only explained Secret was that she held the king and did not wish sent declarer with a fit So South should: cashed his diamond

in the diagramed p and finessed in hea make his cootract. As he was down one, which however, oot a bottom North players who r four spades were door mond lead and club Sometimes they fail three tricks when they

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SPORTS

vson Faces Drawn-Out Bout

William Gildea nd Sally Jenkins Vashington Post Service ANTIC CITY, New Jer-Scanning the horizon y for an opponent worthy Tyson, one had the feelpoking into the wrong end

oculars: No one's out or they're so tiny as to be ning larger for Tyson, 21, ring battle but a legal one, before Tyson destroyed 1 Spinks in 91 seconds y night, the unbeaten eight champion had his a. Bill Cayton, served out papers that charged a

inducement to sign ing no doubt as to his

intentions, Tyson is attempting to sever relations with the 70-year-old businessman who has known him since he was 14 and just out of reform school.

"Mike Tyson might have been in top form in the ring," Cayton's attorney, Thomas Puccio, said Tuesday in New York. "But the allegations he made in the lawsuit are not worthy of a

The suit is built largely on the state of health of Tyson's late comanager, Jimmy Jacobs. The con-tracts were signed in February; Jacobs died of leukemia in March. Although Jacobs was Tyson's friend and confident, the fighter now implies that he tricked him. Tyson alleges that Jacobs and Cayton did not tell him that Jacobs was dying before Tyson extended their contracts four more years, until 1992. Tyson claims that Cayton and

him to sign the contracts, and that he would not have accepted Cayton as his sole manager had he known that Jacobs was dying. Puccio indicated Tuesday that the suit might he Tyson's way of beginning talks to cut his ties to Cayton. "Often a lawsuit is a way

Jacobs "fraudulently induced"

to schedule a meeting in have negotiations," he said. "We're not prepared to negotiate a settlement with anyone until these charges

are withdrawn and the allegations against Jimmy Jacobs are with-

drawn along with them."
Tyson's action states that Cayton has not been, is not now and will not be" his manager, and therefore is not entitled to any part of Tyson's cut of proceeds from the Spinks fight - which Cayton negotiated. Tyson's move was aimed at a

man who, along with Jacobs, nurtured him through turbulent youthful years at the request of the late trainer, Cus D'Amato. Before the fight, Tyson had appeared merely a troubled young man, surrounded by bickering parties. With the lawsuit, he seemed just as quarrelsome as

Many had felt that Tyson had been distracted by his recent mar-riage to actress Robin Givens. and that a big part of Cayton's problem are the women in Tyson's life. Givens and her mother, Ruth Roper, dislike Cayton, Practically inseparable during the past week from promoter Don King (a Cayton-detractor), the two women apparently persuaded Tyson to

dump the man who's done most of his dealing.

The legal dispute may determine who will share in Tyson's ever-growing fortune - his gross from the Spinks fight is projected at more than \$20 million.

Champ Says He's Quitting

NEW YORK — Heavyweight champion Mike Tyson, unde-feated in 35 professional fights

and coming off the biggest payday of his career, says he will not fight again. "You can't never say Tyson told The New York Post on Wednesday. "But as of today, I am retired."

"I had fun," Tyson said, "Boxing was good to me, but nothing lasts forever. It's time to call it a

Tyson conceded that skeptics might not believe him, but he was insistent, "They don't have to buy it," he said. "They're not

citing in the ring and doing the ighting I am. I'm willing to sacrifice, to give up boxing to save my family.... I just feel it's the best thing to do."

Tyson said he "heard [promoter Don King and his guys laughing" when he made a comment about retiring following the Spinks fight. When he finds out I'm serious, he won't he laughing," Tyson said.

Tyson is tentatively set to fight

Briton Frank Bruno on Sept. 3 in London, On Wednesday Jose Torres, a Tyson confident, said he is confident the fight will be held. "He's going to fight Sept. 3," Tor-



Martina Navratilova, who lost the first set and came from 2-4 down in the final two in defeating Roz Fairbank: "I just refused to lose."

Committed by Our Staff From Dispatches

BOSTON - In his first start of

the year and second of his major-

league career. Wes Gardner decid-

ed to think like a reliever. Gardner.

pressed into the rotation when Jeff

sellers suffered a broken hand, al-

lowed just three hits in seven in-

mings Tuesday night as the Red Sox

defeated Cleveland, 6-1.

It was Boston's fourth straight

triumph and its eighth in its last 10

"I wanted to go as hard as I

could for as long as I could," said Gardner (2-1). The Indians helped

him relax early, committing two errors in the second inning that led

It was the 99th appearance in the

majors for Gardner, acquired after

the 1985 season along with Calvin Schiraldi in the deal that sent Bob

Ojeda to the New York Mets. In

lowering his earned-run average to

1.49, Gardner struck out four and

having Roger [Clemens] out there,"

to five uncarned runs.

Becker and Lendl Advance In Straight Sets; Mecir Jolts Wilander; Navratilova in Semis

By John Feinstein Washington Past Service
LONDON — Boris Becker wait-

عكذاصالاعل

West Germany, Becker watched Pat Cash hoist the trophy he had come to think of as his. It hurt. Nothing personal against Cash, but he had something that Becker wanted back. On Wednesday, he took a giant step towards doing best tennis. But 1 don't have the

Playing almost perfect tennis, Becker eliminated the defending Wimbledon champion, 6-4, 6-3, 6-4 in a match that had the atmosphere in a match that had the atmosphere two things can save the very best of a final from start to finish. But it players on a bad day: luck and was only a quarterfinal and, although Becker leaped joyfully into

run homer and a two-run triple by

Robin Yount backed the four-hit

pitching of Don August.

Minnesota down California

walk with one out in the ninth to

end the Reds' losing streak at six

Shawon Dunston's hases-loaded

single capped a four-run eighth that rallied the Cubs to their fourth

Mets 5, Pirates 2: In Pittsburgh,

Darryl Strawberry and Kevin El-

ster hit two-rum homers and Sid

Fernandez combined with Roger

McDowell on a three-hitter for

Astros 4, Dodgers 3: In Houston,

Atlanta swapped the 18th selec-

tion and guard Randy Wittman to

Sacramento for veteran Reggie

Chicago got 7-foot Bill Cart-

Perdue of Vanderbilt, from New

York in return for rebounding whiz

straight victory.

New York.

Sonics sent Grant and the middle be rivals of Detroit in the leasue's

In Manning, Smith and Grant, Thens, a creative scorer the Hawks

the Clippers, who have missed the need. With the 18th pick, Sacramen-

longest such drought in NBA histo-ry, a player much like Theus but not

"This is sensational," Gene Shue, Charles Oaldey and the 19th pick.

the Clipper coach, said Tuesday. Cartwright and Perdue bring "We are building our team around much-needed size to the Bulls.

ry, wound up with three of the first nearly as valuable to a contender.

of the three first-round picks it has heavyweight Central Division.

Gardner Pitches Red Sox to 4th Straight

said first baseman Todd Benzinger.

You just knew he was going to

Marty Barrett hit a two-run tri-

throw strikes and get people out."

BASEBALL ROUNDUP

run home run to highlight the sec-

runs to lift Detroit to its fifth

straight victory over the Yankees in

Orioles 7, Bine Jays 0: In Balti-

more, Fred Lynn paced a rout by

driving in three runs with a homer

White Sox 4, Royals 3: In Kan-

sas City, Missouri, Dan Pasqua hit

two home runs and Greg Walker

added another to power Chicago.

Rangers 6, Mariners 0: In Scat-

tle, Jose Guzman recorded his first

for next year to the Clippers. Los

Angeles, in turn, sent Hawkins and

15 players selected in the draft.

speed and quickness. This will be a

Wolf and 6-8 Ken Norman.

the pick to the 76ers for Smith.

and a two-run double.

three-game losing streak.

two weeks.

walked two, "It was almost like career shutout as Texas ended a

point out that he does not yet have years. She was down 6-4, 4-2, 40-30 before Fairbank missed an easy

"In win Wimbledon you have to ed one year to play this tennis win seven matches," he said. "Last match. Last July, sitting at home in year I only won one. Now. I have year I only won one. Now, I have won five. I beat the defending

trophy yet.

Martina Navratilova, shooting for a record minth Wimbledon singles title, showed Wednesday that guts. Caught totally off guard by Rosalyn Fairbank, she was as close the air after one last huge serve had in losing a singles match at Wimended the match, he was quick to bledon as she has come in seven

before Fairbank missed an easy volley that would have made it 5-2. She came back and won the second set only to trail again by 4-2 in the third. This time, Fairbank had

three chances in reach 5-2. Again she failed. Navratilova breathed a

"I saw a movie last night about a guy who learns how to dodge bui-lets," she said when the two-hour, stuff. The only thing that saved me

To win the trophy he wants, Becker will next have to beat the one man who may want it even more desperately than he does, tvan Lendl. The world's No. 1 player, after two five-set marathons, had what was for him, an easy evening, beating Tim Mayotte 7-6 (7-2) 7-6 (7-1) 6-3. As always happens when he plays Lendl, Mayotte simply could not make the shots

The bottom half of the draw will

The surprise is Mecir. He has struggled all spring with back problems and he is not that comfortable on grass. But he is comfortable playing Mats Wilander. On Wednesday, he manhandled Wi-lander, 6-4, 6-1, 6-3, ending Wilander's impossible dream of a Grand Slam, 10 matches - and

balance from the start, constantly putting balls at his feet with his offspeed stuff, Facing Mecir at his best is a little like facing Phil Niekro at his best. Everything comes up slow, but it is virtually unhittable.

able on grass." doubtable Wilander. He glides around the court, never seeming to out out any client, but

CINCINNATI - Things

day their manager got a parking ticket - on the downtown street that's named for him. Pete Rose, under fire for the club's poor play and a lineup card mistake that cost the

recognized him, but didn't back off from writing a \$29 ticket, even when Rose offered him four tickets to Tuesday night's game against San Diego. bribe me? I said, 'Yep.'

here's the parking ticket.' But there was one consola tion later on: With a run in the ninth inning, the Reds ended a

land, California, Rob Deer's two-combined with two relievers on a three-hitter as Houston halted a Los Angeles winning streak at four. Cardinals 5, Expos 4: In St. Louis, Willie McGee scored on

Twins 8, Angels 2: In Anaheim, California, Gene Larkin homered third baseman Tim Wallach's fieldple and Dwight Evans added a two- and drove in three runs to help ing error with one out in the ninth Montreal's second error of the inning - rallying the Cardinals. Reds 4. Padres 3: In the National Tigers 6, Yankees 1: In New League, in Cincinnati, pinch-hitter York, Pat Sheridan drove in four Tracy Jones drew 2 bases-loaded Giants 13, Braves 7: In Atlanta.

Will Clark drove in three runs and San Francisco pounded ont 19 hits for a second straight game agains the Braves.

Rose Pinched At Home Base

have not been going well for the Cincinnati Reds. And on Tues-

Reds a first-inning rally Monday night, decided to get a bite to cat on his way in Riverfront Stadium Tuesday afternoon. "I stopped to get a salad on

Pete Rose Way, and I got a ticket," Rose said. "How bad can it get?" Rose said the traffic officer

"He said, 'It's not going to work.' I said, 'I'll give you four tickets for being a nice guy."
He said, 'O.K., thanks

six-game losing streak.

INTERNATIONAL CLASSIFIED

(Continued from Back Page)

HOTELS

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GOLF

champion today and that is a very deep sigh of relief, gathered herself for one last rush and escaped, 4-6. 6-4, 7-5.

> 29 minute ordeal was over. "I think I dodged a few out there today myself. That was pretty heavy duty was that I never stopped believing in myself.'

that mattered most. He is now 0-12 lifetime against him.

match Stefan Edberg and Miloslav Mecir. Edberg was expected to reach the semifinals and he did so Wednesday by beaung Patrick Kuhnen, Tuesday's conqueror of Jimmy Connors, 6-3, 4-6, 6-1, 7-6

two championships — from com-pletion. Mecir is now 7-4 lifetime against Wilander. On Wednesday, he kept him off

"After the first set I never really had any chances." Wilander said. "He can do that to me, he has in the past. I felt more comfortable play-ing here this year than I ever have

but it is always going to be hard for me. I'm just not all that comfort-Or against Mecir. The bearded Czechoslovak can make almost anyone look foolish, even the re-

erything. Wilander was broken in the seventh game of the first set and went downhill quickly after that. "I'm surprised to be in the semi-

finals because I don't usually feel that good on grass," said Mecir, who rarely has much to say. "Mats just isn't that dangerous on grass. He's much easier for me to pass. When I beat him, I usually beat him casy."

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ffin (7), Bedrosian (4) and Por-nt Caser (8), Lancaster (9) and Casel, 2-1, L—Bedrosian, 1-3, r (3),

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D.Murphy 2 (12), Thomas (7),
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20 16), Orasso (8) and DempAndansa (1), Apasto 19) and
200er, 8-1, L—Holton, 3-2, Sv—
3-Los Angeles, Marchott (7), ez 0-1. Sv—Lafferts (6).

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BASKETBALL NBA College Draft

one W—Gordiner, 2-1, L—
netend, Snyder (17), Bosnetend, Snyder (17), Bosnetend (18), Jerse Germalez, 7-4, c, Argenthe follows (18), Jerse Germalez, 7-4, c, Argenthe follows (18), Jerse Germalez, 7-4, c, Argen-BOSTON: 1 (24), Brion Show, 64, g. Col-Santa Barbara, 3 (74), Gerald Poddla, 6-7, 1-s.

CHICAGO: 1 (11), Will Particle, 7-0, c, Venderbill, 2 (42), Derrick, Lawie, 6-7, f, Monylond, CLEVELAND: 1 (22), Rendelph Keys, 6-9, t. Southern Mississippl. 2 (64), Winston Bennett, DALLAS: 2 (44), Morton Wiley, 4-4, 9, Long Beach State. 2 (47). Jose Vargas, 6-10, c, Loui-siona State. 2 (70), Jerry Johnson, 5-11, a. Flor-

DENVER: 1 (23), Jerome Lone, 6-8, 1, Pitts-burgh. 2 (43), Todd Mitchell, 6-7, 1, Purduc. 2 (46), Dwight Boyd, 6-4, p. Memphis State. DETROIT: 2 (30), Fermis Demito, 6-6.1, Wyoming, 2 (46), Michael Williams, 6-2, p. Baylor. 2 (72), Lee Johnson, 6-9, 1, Norfolk State, GOLDEN STATE: 7 (5), Mitch Richmo

6-5, s. Konsas State. 2 (41). Keith Smart, 6-2, s HOUSTON: 1 (16), Derrick Chievous, 6-7, f.

Altsourt.

INOIANA: 1 (2), Rix Smits, 7-4, c, Moriet.

141), Herbert Crook, 6-7, f, Louisville, 2 (73),

Alichoel Anderson, 5-11, e, Drexel,

LA, CLIPPERS: 1 (1), Downy Monnine, 6-10, f, Konesse, 1 (3), x-Charles Smith, 6-10, f,

Pittsburgh, 2 (45), Tom Gerrick, 6-2, s, Rhade islend, 3 (51), Rob Lock, 6-0, t-c, Kenhucky, (xSmith was drofted by Philodebhile, which troded his rights to the LA, Clippers.1

LA, LAKERS: I (25), David Rivers, 6-0, s,

Notre Dome.

Notre Dome.

MIAMI: 1 (1), Renv Selkuty, 6-11, c-f. Syrocuse. 1 (20), Kşıvin Edwards, 6-3, ş. DePoul. 2 (23), Grant Long. 6-4, 1. Esstern Michigan. 2 (40), Orlando Graham. 6-7, i. Auburn-Montgomery. 2 (59), Note Johnson, 6-8, f. Tumpa.

MILWAMKEE: 1 113). Jeff Groyer. 6-5, ş. Iowa Stote. 2 (39). Tito Hortord. 7-1, c. Müami. Fig. 3 (43). Mike Jones. 6-7, 1. Auburn.

MIEW JERSEY: 1 14). Chris Morris. 6-6, 4. NEW JERSEY: 1 141, Chris Morris, 64, 1, Auburn, 2 (32), Charles Shockleford, 6-10, C

PHILADELPHIA: 1 141, y-Hersey How

Philodeiphio.)

PHOENTIX.1 (7), Tim Perry, 6-9, 1, Temple.
1 (14), Don Maleris, 6-6. 1, Central Michigan, 2
1281, Andrew Lang, 6-11, c, Arkensos, 2 (36), Deon Garrett, 6-10, 1-c, Indiana, 2 (30), Steve Kerr, 6-2, 6, Arizona, 3 (55), Rodney Johns, 6-2, e, Grand Canyon, Ariz, PORTLANO. 1 1211, Mark Bryani, 6-9, 1, Seton Holl, 2 (26), Rolando Ferreira, 7-1, c, Heuston, 3 (53), Anthony Mason, 6-7, 1, Tennesee Stute, 3 (71), Crais Neol, 6-5, a, Georgia Tech.

th Carplina State.

SEATTLE: 1 (15), Gary Grant, 6-3, e. Michi-san, 2 (65), Corey Gaines, 6-2, g. Levola Mary-

Okinhome, 2 (36). Ledell Ecckles, 6-5, e. New Orleans, 3 (60), Ed Davender, 6-3, v, Kentucky. Selection by Position

Second Round Third Round

Selection by Conferences

Metre Attentic Comi Independents

West Coost Athletic

TENNIS

Wimbledon

Costs (4), Australia, 6-4, 6-3, 6-4.

TRANSITION

(10), U.S., 7-6 (7-2), 7-6 (7-1), 4-1

WOMEN

WOMEN

Gesurterfinds

Martina Novratillova (2).U.S.def. Ros Foirbank, South Africa. 44, 84, 75.

BASEBALL

ST. LOUIS Placed Scatt Terry, Altcher, on

ST. LOUIS—Placed Scat Terry, Pitcher, or the 15-day disobled list. Activated Dommy Cox. pitcher, from the 21-day disobled list.

BASKETBALL

Norfleed Buskerboll Associatios

ATLANTA—Traced Randy Withman, spoord, and its 198 first-round droft choice to Socraments for Respite Theos. sword.

DENVER—Traced the rights to Version Management and 197 a 1981.

FOOTBALL

COLLEGE

PHILADEL m. piocekicker. HOCKEY

well, guard, to San Antonia for a 1989

National Feather Leases N.Y. JETS-Signed David Prose, defensive

d to a series of one-year contracts.
PHILADELPHIA—Staned Paul McFod-

Iven Lend (1), Creche

and not just in Los Angeles.

ward steps with three first-round They join last year's first-rounders choices for the second straight year. Those picks should hasten a facelifting intended to make the Clippers of the future resemble the Lakers of today: a versatile, athletic,

Quarterfinats

Miloslav Medir 171, Czechostovakia, def.

Aafs Wilander (2), Sweden, 42, 41, 4-1.

Siefan Edberg 13), Sweden, 42, 4-1, 7-6 (7-2).

"Mess Germany, 4-1, 4-6, 4-1, 7-6 (7-2).

"Al. West Germany, 4-7. sitt, the coach and president, re-

ics — fell into place. Bickerstaff and Whitsitt wanted Michael Cage of the Clippers, the league's top rebounder, as protection against the possible loss of Tom Chambers, an unrestricted free agent, and Dale Ellis, another free agent. This was their plan, worked out Monday night with the Clippers and the Philadelphia 76ers:

sighs of relief everywhere).

nounced the trades.



Noticee Hockey Lesgot CALGARY—Signed Larny McDonorid, cacter, to a one-year contract. HARTFORD—Announced that the feath on been sold, pending approval of its 16 com-nunlity partners, to Deneid G. Conrad and Richard H. Gordon. LOS ANGELES—Staned John Tonelli, left wines, and Tim Walters. definishment. PHILADELPHIA—Named Andy Murray essistent cooch. PITTTSBURGH—Named Game Ubrisco heat cooch and signed him to a two-year BOWDOIN-Named Poul J. Baker wom-en's termis coach and men's and women's HOFSTRA-Announced the resignation of Christopher Humm, sports information direc-tor, in order to become S.L.D. and golf coach at Brown. KANSASSTATE—Named Stave Miller offi-LONG BEACH STATE-Named Butch Cor-PENN STATE—Nomed Anie Troyon, os-sisteni wernen's boskerboil cooch. ST. FRANCIS (N.Y.)—Amourced the res-lenation of Bob Volvone, boskerboil cooch. so be can become cooch for Alvik in Sweden's first division. TOLEDO-Named Bill Fermelly women's WESTERN ATHLETIC CONFERENCE.

Atlanta and Chicago (particulardifferent team because of its versa-tility. Christmas is definitely here." Atlanta and Chicago (particular-ty the Bulls) took gambles, but they have been necessary to chase may have been necessary to chase Tuesday's short-run winners down Detroit and stay ahead of could be the four teams that engi- Cleveland and Indiana in the Cennecred major trades. Two happen to tral Division.

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Auburn. 2 (32), Charles Shockstord, 6-16, t. North Carolina Stefe. 3 152), Derak Hamilton, 6-6, 1, Southern Mississippi.
NEW YORK: 1 (19), Rod Strickland, 6-3, p. DePoul. 2 (37), Grap Butler, 6-11, t-c, Stanford. 3 169), Phil Sfinnie, 6-5, t. Virginia Commentation.

https://d.g. Brodley. 2 (31), Everatic Stephens. 6-3,p. Purdue. 2 (57), Hernan Montenepro. 6-10. 1, Louisiano State. (v-Howkins was drafted by the L.A. Clippers. who traded his rights to Philiodelphia.)

SACRAMENTO: 1 (18), Ricky Berry, 4-8, e. Son Jose State, 2 (27), Vinny Del Negro, 4-5, s. North Caronao store.

SAM ANTONIO: 1 (10), Willie Anderson, 6-7,

Georgio. 2 (27), Shelton Janes, 6-9, t, St.
John's. 2 (47), 2-Vernan Mozwell, 6-5, p, Florido. 3 (6), Borry Sumpler, 7-8, C, Austin Paor, 2
(75), Archie Marshall, 6-7, I, Konsos. (2-Maxwell was drotted by Denver, which traded his

UTAH: 1 | 17). Eric Leckner. 4-11, c. Wyo-ming. 2(42), Jeff Mps. 6-4.s. lowo. 2(67). Ricky Groce. 6-1. s. Oklohomo. WASHINGTON: 1 |12). Horvey Gront, 4-9, 1,

TOTALS

In NBA Draft, Triple-Team Intrigue

Compiled by Our Staff From Disparches NEW YORK - The smart guys will put Tuesday's National Basketball Association draft list in storage and wait four or five years before figuring out who did best with this year's pickings. By then it may be the Clippers instead of the playoffs the last 12 seasons, the to chose San Jose State's Ricky Ber-Lakers who are the best show -

The Clippers took further up-

multi-dimensional group.

It took the Clippers 28 seconds to make 6-foot-11 (2.10-meter) Danny Manning of Kansas the first choice in the draft, Indiana then selected center Rik Smits of Marist. What took place next was the result of prolonged pre-draft intrigue, and it worked only because all the pieces of the plan - conceived by Bernie Bickerstaff and Bob Whit-

spectively, of the Seattle SuperSon-

BASEBALL
American League
BALTIMORE—Optioned Mark Williamson, pitcher, to Rochester of the International League, Purchased the confract of Mark Thormond, pitcher, from Rochester, Piaced Doug Sisk, pitcher, on the 15-day disabled flut. Received John Hobran, pitcher, from Rochester, SEATTLE—Placed Alvin Dovis, first sozeman, on the 15-day disabled flut. Cotted up Greg Briley, infleider-outfleider, from Catgory of the Pacific Coast League.
National League Montread League MONTREAL—Ploced Tim Raines, out-fielder, on the 15-day disobled list, retroactive to June 34, Recalled Herry Winningham, out-fielder, from Indianapolis of the American

· Philadelphia, which had the third pick, had to take Charles Smith, the 6-10 forward from the University of Pittsburgh. • Either Mitch Richmond of Kansas State or Hersey Hawkins of Bradley, the nation's leading scorer, had to be available for the Clippers when they picked again, No. 6. New Jersey could have stymied the plan if it had taken either Richmond or Hawkins with the No. 4 selection (when the Nets chose Chris Morris of Auburn, there were • The Golden State Warriors **ESCORTS & GUIDES** took Richmond, as they had hoped to do, with the fifth pick The Chippers selected Haw After Seattle chose Gary Grant, the playmaker from Michigan, with the No. 15, pick, David Stern, the NBA commissioner, officially an-In order to get Cage, the Super-

ART BUCHWALD

Perestroika Soap Opera

host was Krokodil, the Soviet satirical magazine. The thinking behind the exchange was that if the leaders of the superpowers were willing to talk to each other, then Soviet and American humorists could also forget old wounds and the bitter dif-

ferences of the past. I accepted the invitation, but the readers must forgive my stream of

consciousness. because they are seeing the notes of a man who. having been warned about the water, bas beeo brushiog his teeth with warm Pepsi-Cola for a week.

There is a Buchwald great deal going on in Russia under perestroika (restructuring), which is being bothy debated at the moment during the Communist Party conference in Moscow, Like so many Americans who have spent seven days there. I am now an expert on Gorbachev's reforms and what they mean to the

While there is a tremendous effort to liberalize the enore infrastructure of the country, old babits die hard in the U.S.S.R.

Let me explain what perestroika bberals who are demanding complete change in the way the Soviet system works. The black bats are the conservatives who want to keep the same laid-back lifestyle that the Russian people enjoyed under Statheir conservatives have no affiliation with the conservatives in this

The reason that the majority of

Pegging the Taste of Lobster

New York Times Service ORONO, Maioe - Lobster claws kept shut with wooden pegs don't taste as good as those closed with elastic bands. This is the finding of a study by the University of Maine at Orooo in which 20 tastetesters ate claws from pegged and banded lobsters that had been boiled separately in salt water for

LENINGRAD — In the name of the Soviet people are supporting glasnost I was recently invited Gorbachev is they are sick and to the Soviet Union as part of a tired of dancing in Red Square ev 'bumor' writers' exchange. My ery ome a new cement plant is built in Minsk. They have declared that from now on, they will only cele-brate when a new shipment of Recboks arrives at the GUM department store in Moscow.

Here is another reason wby people want change. For years Nata-sha has tried to buy a box of soap powder. Every day she faces Anna behind the counter. Anna takes great joy in torturing ber by telling Natasha that there is no soap powder. Natasha wants to know why there isn't any, and Anna, an oldline Communist, says it is because America has imperialist designs on

That response would have been enough for Natasha before perestroika, but now she is not buying it. She tells Anna that she doesn't care what the United States is doing in Nicaragua. She is going to support Gorbachev because be wants the people to have soap powder, and he will ensure that those who don't deliver will be sweeping the streets in Chernobyl.

So that is what perestroika is all about -- a battle over whether Natasha will get soap powder, or Anna will be able to send her kicking and screaming out the door.

I met with writers and humorists in Moscow and Leningrad. They were very bappy with perestroika and were anxious to get on with is all about: The white hats are the writing books, plays and movies about the bad old days. (Most of them kept notes.) We had frank and open discussions about the current literary scene in both countries. I explained to them that the main advantage American writers had over their Soviet counterparts is that we could have a Domino's Pizza delivered to us in less than 30 ninutes, or Domino's would take \$3 off the price.
The Soviet writers were not im-

pressed by this information, and one turned to me and said, "We had a similar delivery system to the

The subject that everyone agreed upon was that Gorbachev went much too far in abolishing vodka as the national drink. They felt that he had acted in baste. As one writer put it, "Perestroika is oot well enough established to enable the people to face life in this country completely sober."

Is That Roger Rabbit, Or Charles Fleischer?

By Hal Hinson

Washington Post Service
WASHINGTON — Roger
Rabbit, megastar of the new Hollywood film meshing cartoons and humans, has reached the covers of major magazines and is married to one of the world's most fabulous women. But to Charles Fleischer, he is just

Fleischer and Rog have been "like this" since day ooe. Like they were, well, one and the same. Because Fleischer is Roger Rabbit, as in "Who Framed Roger Rabbit." Or perhaps more pre-cisely, his voice. The only prob-lem is, who's going to do the talking?

"CLOSE?! Sure we're close! Sometimes we even TALK!!" says Roger, crowding in. "Not now, Roger. I'm trying to do ao ioterview." Fleischer

"Whaddaya mean interview? He's here 'cause-a ME, oot 'cause-a YOU!!"

takes the upper hand. It all began at the Comedy Store in Los Ange- Toons have speech impediments' les, where Robert Zemeckis, the director of "Who Framed Roger Rabbit," saw Fleischer perform his act. The act consisted of a lot of voices and sound effects, but what most impressed the filmmaker was what he called "his vocal presence," And so when audioons began for the human star of the film — the part eventually played by Bob Hoskins — they called Fleischer. Not to read for that part, but to read with the actors auditioning for that part. As Roger.

I just used my own voice," says the 37-year-old Washingtonian, perched on the sofa in his parents' home in Chevy Chase, Maryland. The second time, though, I be-gan to fool around with it, but as I recall his voice was a lot lower than it ended up. He sounded more like John Huston.

After a third audition, he says, "Bob Hoskins and I had to the producers were still looking work together, so he's on the set



for their flesh-and-blood actor. but they had found the voice for their cartoon star. And having got the job, Fleischer began to ex-As you might imagine, this sort plore just who this Roger Rabbit of thing can get confusing. For is." The key came from the animation director Dick Williams. who told him that "all great - that is, a characterisoc vocal

> To solve the problem, be did what almost all actors do. "I searched my creative soul and out popped 'PUH-PUH-PUH-PUH-

The sound, which has become Roger's signature, is a little like an underwater stutter. Fleischer calls it "a constant consonant cheek

"Dick Williams actually filmed me doing this thing with my cheek so he could study the frames to "The first time I read, they so he could study the frames to didn't know what they wanted so see how to arriculate the neuromoscular activity in the animaoons for Rog."

> Fleischer, who studied acting at the Goodman Theater in Chicago, says he approached Roger as he would have any other character. But there were a few special

He stands to demonstrate.

playing to the invisible space where Roger would be I was off camera, wearing the Roger Rab-bit costume I had made for me and physicalizing everything that was happening, watching every-thing that be did so that if be pulled my ears I could go 'Aiighiiaighi!!' I mean, we were forced to develop a technique of acting that I don't think has ever been done before." A rabbit suit?

Yeah, the first day I walked on set with my suit on and Hoskins saw me, be said, 'Eez out of 'is moind. Eez tot'lly out of 'is moind." Fleischer says, doing his Hoskins impression. "Later, of course, be said, 'Smartest thing you ever did." The suit was authenocally Rog-

-bow de, red overalls with big cllow buttons, and a pair of rabbit ears. Didn't he feel kinda silly standing around in this getup?

What? Are you crazy? Okay, maybe a little, but I feel kinda silly dressed normally. I did it cause I thought it would help the spirit of the film. Plus I knew it would be great press. "Of all the characters I've

played, he's the closest to the real me. There's a line in the movie saying, 'I'm a Toon. Toons are s'posed to make people laugh." And working as a stand-up comic during the last 15 or so years. that's the job I've had."

So what kind of guy plays a cartooo buony aoyway? Fleischer, whose father worked in sales and whose mother was personal secretary to Perle Mesta — the celebrated "Hostess with the Mostest" — describes himself as a musician, a comedian, an inven-tor and a "closet mathematician."

He has curty dark reddish hair and thick eyebrows a shade redder. Like Roger, he's married to a beautiful woman who loves him because he makes her laugh. And has two equally beautiful daughters who know by heart all the oumbers to "Les Miserables" and "The Phantom of the Opera."

He talks fast. And when he eks in his Roger voice, it's a bit like demonic possession. His energy level goes up about 10 notches, his body contorts in



Fleischer on 'Rog': "All great Toons have speech impediments."

Roger postures and his hands make Roger gestures.

He says his life as a comedian began at camp around the age of 9. Or perhaps before that, when he took showers and thought about alien life forms looking down on earth and searching for

In addition to playing Roger, Fleischer provided the voices for three of the movie's other characters: Bennie the Cab, and two weasels, Psycho and Greasy. He describes Greasy as a combination of Al Pacino in "Scarface" and Peter Lorre. Psycho, he says, is a cross between Mickey Monse and Jack Nicholson.

Ask him where these ideas come from, and he's off, "It's like what Arthur Koestler describes in 'The Act of Creation,' where he talks about the comedian and the scientist being essentially the

As for the future life of Roger Rabbit, there is talk of Fleischer doing the voice for the Germanlanguage version.
Naturally there are contractual

matters to hasb out and these are not topics for discussion. But he is obligated to do Roger a couple a "I don't know whether there

will be a Saturday morning car-toon show, or another feature, or a television Christmas special. It's not my decision. But I certainly think Roger will be around for a long time. I just think he's a great character. And I would be bappy doing Roger for the rest of my life, I love him. We're pals."

PEOPLE

Caroline Kennedy Gives Birth to a Daughter

Caroline Kennedy Schlossberg has given birth in New York to a daughter, Rose, the first child for Kennedy and her husband Edwin Schlossberg Farlier this year, the daughter of the late President John F. Kennedy, graduated from the Columbia University School of Law. It is the first grandchild for her mother. Jacomeline Kennedy her mother. Jacqueli

There is only one Rudolf Nure-yes, and true to form the New York gala in his honor, "Nureyev: A Celebration," was unlike any other. The program at the Metropolitan Opera House ended in a shower of balloons and confetti amid a stage assembly that read visually like the Who's Who of internacional dance. The entire audience sprang to its feet when Danse Mangot Fonte; wearing her hair gray for the first time in New York and in a smalling multistriped dress, closed the coda to the Paris Opera Ballet's grand défilé. Jessye Norman, a close friend, sang during Nureyev's performance in "Songs of a Way-farer" as James Levine conducted. To see Nureyev lined up with Mikhafi Baryshnikov, Peter Martins, Peter Schamass and Heigi Tomasson was to see the some of the greatest male dancers of recent times at a flash. The ballerinas with whom Nureyev has danced were well represented. Miss Piegy, who sent a postcard to her "favorite nonamphibian partner," flounced out as scheduled in a yellow boa and gold gown and clapped her little hands encased in lavender

The South Pacific kingdom of Tonga will begin a five-day party Thursday to celebrate King Ta-fa'ahan Tupon IV's 70th birthday The highlights of the celebrations in the capital Nuku'alofa will be two sit-down leasts for 1,200 people, including dignitaries from other Pacific nations, a prayer break: fast, a ball, longboat racing, rugby matches and dancing.

Placido Domingo has lauoched e campaign to seek out young opera-talent in the European Community. Domingo will be president of the European Community Opera, which will make its debut in Venice next May with a cast of EC natioo-als under 30 years old.

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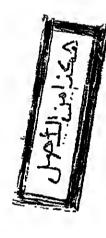
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